



Five-Year Review Report

First Five-Year Review Report For Normandy Park Apartments Site 11110 North 56th Street Temple Terrace, Florida

September 2006

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FOR:

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**FIRST FIVE-YEAR REVIEW REPORT FOR
NORMANDY PARK APARTMENTS SITE
11110 NORTH 56th STREET
TEMPLE TERRACE, FLORIDA
QORE Project No. 2148M**

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LIST OF ACRONYMS

AOC	Administrative Order of Consent
ARAR	Applicable or Relevant and Appropriate Requirement
CD	Consent Decree
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
EPA	United States Environmental Protection Agency
FDEP	Florida Department of Environmental Protection
FFS	Focused Feasibility Study
GCR	Gulf Coast Recycling, Inc.
HCEPC	Hillsborough County Environmental Commission
MCL	Maximum Contaminant Level
NCP	National Contingency Plan
NPL	National Priorities List
O&M	Operation and Maintenance
OHM	OHM Remediation Services Corporation
PQL	Practical Quantitation Level
QORE	QORE, Inc.
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
ROD	Record of Decision
SRI	Streamlined Remedial Investigation
SDWA	Safe Drinking Water Act
WRS	WRS Infrastructure & Environment, Inc.

EXECUTIVE SUMMARY

The remedy for the Normandy Park Apartments Site in Temple Terrace, Florida included removal of at least the top two feet of contaminated soil every where the ground surface was exposed, excluding a specified distance around the existing trees, and filling the excavations with clean fill. Tree plazas were constructed of wood, pavers or mulch within the drip line of the existing, mature trees on site to prevent exposure to contaminated soil. Monitored natural attenuation was selected for contaminated ground water and institutional controls were implemented to prevent the use of ground water at the site and to notify future owners of the apartment complex of the contaminated soil remaining under the site structures (including paved areas and sidewalks). Construction activities were completed and described in the Remedial Action Construction Report dated January 25, 2002. The trigger for this five-year review was the actual start of remedial activities on March 19, 2001.

The assessment of this five-year review found that the remedy was constructed in accordance with the requirements of the Record of Decision (ROD) and the remedy is functioning as designed. The immediate threat of exposure to contaminated soil has been addressed and the remedy is expected to be protective when ground water cleanup goals are achieved through monitored natural attenuation.

Five-Year Review Summary Form

SITE IDENTIFICATION		
Site name (from WasteLAN): Normandy Park Apartments Site		
EPA ID (from WasteLAN): FLD984229773		
Region: IV	State: Florida	City/County: Temple Terrace/Hillsborough County
SITE STATUS		
NPL status: <input type="checkbox"/> Final <input type="checkbox"/> Deleted <input type="checkbox"/> Other (specify) Proposed but deferred in exchange for cooperation		
Remediation status (choose all that apply): <input type="checkbox"/> Under Construction <input type="checkbox"/> Operating <input checked="" type="checkbox"/> Complete		
Multiple OUs? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Construction completion date: 11 / 2001	
Has site been put into reuse? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
REVIEW STATUS		
Lead agency: <input type="checkbox"/> EPA <input type="checkbox"/> State <input type="checkbox"/> Tribe <input type="checkbox"/> Other Federal Agency _____		
Author name: Lawrence Maron & William Denman		
Author title: LM: Senior Principal Consultant WD: Remedial Project Manager	Author affiliation: LM: QORE Property Sciences WD: U.S. EPA	
Review period: 07/15/2005 to 03 / 19 / 2006		
Date(s) of site inspection: 12 / 13 / 2005		
Type of review: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Post-SARA <input type="checkbox"/> Pre-SARA <input type="checkbox"/> NPL-Removal only </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input checked="" type="checkbox"/> Non-NPL Remedial Action Site <input type="checkbox"/> NPL State/Tribe-lead </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Regional Discretion </div>		
Review number: <input checked="" type="checkbox"/> 1 (first) <input type="checkbox"/> 2 (second) <input type="checkbox"/> 3 (third) <input type="checkbox"/> Other (specify) _____		
Triggering action: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input checked="" type="checkbox"/> Actual RA On-site Construction at Site <input type="checkbox"/> Actual RA Start at OU# _____ </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Construction Completion <input type="checkbox"/> Previous Five-Year Review Report </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Other (specify) </div>		
Triggering action date (from WasteLAN): 03 / 19 / 2001		
Due date (five years after triggering action date): 03 / 19 / 2006		

* ["OU" refers to operable unit.]

** [Review period should correspond to the actual start and end dates of the Five-Year Review in WasteLAN.]

Five-Year Review Summary Form, cont'd

Issues:

Maintenance and management personnel at the facility were unaware of the presence of contaminated soil under the tree plazas, sidewalks, pavement, tennis courts and buildings. As a result, they were unaware of the need to maintain the tree plazas and of procedures to follow in the event contaminated soil is exposed. New tenants are also not being informed of the past remedial actions at the site and the presence of contaminated soil on site, even though the risk of exposure is very low.

Recommendations and Follow-up Actions:

Maintenance and management personnel were informed of the presence of contaminated soil remaining on site and the procedures to follow in the event the soils are exposed. A written description as to the presence and location of contaminated soils should be prepared to provide instruction in the event the current maintenance and management personnel are replaced. The written description should include the steps to follow and people to notify in the event contaminated soil will be exposed. A one-page handout should also be prepared to provide to new and prospective tenants to inform them of the site conditions and history.

Protectiveness Statement(s):

The remedy is expected to be protective of human health and the environment after the ground water cleanup goals are achieved through monitored natural attenuation.

Other Comments:

The issue of the management and maintenance personnel not being aware of the presence of contaminated soil was caused by recent personnel changes. These personnel were notified of the presence of contaminated soil and restrictions on exposing the contaminated soil during the on-site interviews. No disturbance to the tree plazas or other structures had occurred since the remedial action was completed.

FIRST FIVE YEAR REVIEW REPORT
Normandy Park Apartments Site
11110 North 56th Street
Temple Terrace, FL

I. INTRODUCTION

The purpose of Five-Year reviews is to determine whether the remedy at a site is protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in Five-Year Review reports. In addition, Five-Year Review reports identify issues found during the review, if any, and recommendations to address them.

The U.S. Environmental Protection Agency (EPA) is preparing this Five-Year review pursuant to CERCLA § 121 and the National Contingency Plan (NCP). CERCLA § 121 states:

If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section [104] or [106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews.

The EPA interpreted this requirement further in the NCP; 40 CFR § 300.430(f)(4)(ii) states:

If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after the initiation of the selected remedial action.

The EPA Region 4 has conducted a Five-Year review of the remedial actions implemented at the Normandy Park Apartments Site in Temple Terrace, Florida. The time period covered by this review was July 15, 2001 through March 19, 2006. The Normandy Park Apartments Site Five-Year Review was led by Mr. William Denman of the EPA, Remedial Project Manager for the Normandy Park Apartments Site, and included employees from QORE, Inc. (QORE), under the direction of Mr. Lawrence J. Maron, P. E. QORE is the environmental consulting firm that prepared the Streamlined Remedial Investigation, and developed and oversaw the remedial action. This report documents the results of the review.

This is the first Five-Year review for the Normandy Park Apartments Site. The triggering action for this review is the initiation of the remedial action on March 19, 2001. There are no operable units at the site. The Five-Year review is required due to the fact that hazardous substances, pollutants, or contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure.

II. SITE CHRONOLOGY

Table 1 - Chronology of Site Events

Event	Date
Hillsborough County Environmental Protection Commission requests Gulf Coast Recycling (GCR) to conduct subsurface environmental testing	8/1991
The Florida Department of Environmental Regulation, now known as the Florida Department of Environmental Protection (FDEP), referred the site to the EPA	2/1992
The EPA performed surface and subsurface sampling	2/25- 2/26/92
GCR entered an Administrative Order of Consent (AOC) with EPA to abate the immediate threat of exposure to apartment residents	6/1992
OHM Remediation Services Corporation (OHM) submitted a Removal Action Plan	8/1992
The Site was proposed for inclusion in the National Priority List (NPL)	2/13/1995
Interim abatement actions were constructed - Concrete caps were put in place, a fence was erected and a wooden decking system was constructed	10/1995
EPA issued a special notice letter to GCR to conduct a Streamlined Remedial Investigation (SRI), Focused Feasibility Study (FFS) and Risk Assessment at the site	5/12/1998
GCR entered into an AOC to conduct the SRI/FFS	9/30/1998
GCR completed the SRI/FFS	1999
Remedial design start	4/1999
Remedial design complete	6/30/1999
The SRI/FFS were made available to the public and the proposed plan identifying EPA's preferred remedy released to the public for comment	2/17/2000
Record of Decision (ROD) selecting the remedy is signed	5/11/2000
Remedial Design(RD)/Remedial Action (RA) Work Plan submitted to EPA	2/13/2001
Remedial Action construction started	3/19/2001
Remedial Design/Remedial Action Work Plan approved by EPA	5/10/2001
Consent Degree (CD) and Statement of Work filed	6/22/2001
Remedial Action construction completed	11/2001
Remedial Action Construction Report completed	1/25/2002

III. BACKGROUND

Physical Characteristics

The Normandy Park Apartments Site occupies approximately 8.25 acres approximately ¼ mile south of Fowler Avenue between 56th Street and 53rd Street in the City of Temple Terrace, Hillsborough County, Florida (Plate 1). The street address is 11110 North 56th Street. The Site is currently developed with a 144 residential unit apartment complex. All portions of the site not covered with apartment structures, swimming pools, tennis court, paved parking and roadways, are either grassed, mulched or covered with tree plazas. The layout of the apartment complex is shown on Plate 2.

Land and Resource Use

From 1953 until 1963, GCR operated a battery recycling and secondary lead smelting facility at the site. In 1970, GCR built the Normandy Park Apartments on the property, which remain to date.

The current and the future expected use of the Site is residential. The surrounding area is a mixture of commercial and residential properties, and it is anticipated that this will continue into the future.

Private water-supply wells that are used as a drinking water source are not known to be present in the immediate area of the site. The area has been developed for many years and municipal water is supplied. Future use of ground water in the area is anticipated to remain the same.

History of Contamination

GCR owned the Site from 1953 until June 2001. During the battery recycling and secondary lead smelting operational period, GCR followed standard industry practices. At the facility, tops of spent lead batteries were chopped off by a hydraulic guillotine or cracked open by some other means. The lead plates were separated and processed for recycling, and the battery casings were disposed. The lead plates were smelted on-site. The process resulted in the release of sulfuric acid and lead into the environment.

The contamination was discovered in August 1991. In response to a citizen's complaint, the Hillsborough County Environmental Protection Commission (HCEPC) investigated the Site. The analysis of samples collected by the HCEPC revealed the presence of lead in on-site soils at concentrations of up to 35,000 milligrams per kilogram (mg/kg) and in the ground water at concentrations at up to 16.7 milligrams per liter (mg/l). In January 1992, private blood test results for three children living at the apartments were publicized. The blood lead concentrations were reportedly 9, 10, and 12 micrograms per deciliter (µg/dl) per unit of whole blood. Two of the three children's blood level results were slightly above or equal to the Center for Disease Control's recommended level of 10 µg/dl lead per unit of whole blood. In February 1992, the FDEP referred the Site to the EPA. Sampling conducted by the EPA confirmed widespread lead contamination throughout the Site in levels that threatened human health and the environment.

Initial Response

Under the direction of EPA's Emergency Response and Removal program, GCR placed concrete caps over two areas significantly affected by battery recycling operations in the northern courtyard

of the apartment complex. In the southern courtyard, a fence was erected around the entire courtyard. Eventually, a wooden decking system was constructed over the entire southern courtyard to prevent direct contact with affected soil. The wood decking system was completed in October 1995.

The Site was proposed for inclusion on the NPL in February 1995. The EPA, however, used its enforcement discretion to defer placing the Site on the NPL in exchange for GCR's cooperation. GCR and EPA entered into an Administrative Order on Consent on September 30, 1998. The consent order required the preparation of a site specific Health and Safety Plan, a Quality Assurance Project Plan, and a Streamlined Remedial Investigation (SRI)/Focused Feasibility Study (FFS) Work Plan. QORE submitted a Health and Safety Plan and Quality Assurance Project Plan to EPA on September 23, 1998. QORE and Environmental Consulting & Technology, Inc. submitted an SRI Work Plan to the EPA in September 1998. The Work Plan was approved by the EPA and incorporated into the Consent Order. The SRI and FFS reports and proposed plan for the Normandy Park Apartments Site were made available to the public in February 2000.

Basis for Taking Action

Contaminants

Hazardous substances that have been released at the site in each media include:

<u>Soil</u>	<u>Ground Water - Surficial Aquifer</u>
Antimony	Antimony
Arsenic	Lead
Lead	

Based on results of the risk assessment and on comparison of the detected contaminant concentrations to enforceable, health based standards, site related contaminants were present in the surface soil and ground water at the Normandy Park Apartments Site in concentrations which did pose significant noncarcinogenic risks to human health. At many locations throughout the Site, the on-site surface soil contained concentrations of lead above the acceptable level, as determined by the risk assessment, of 420 mg/kg. In addition, antimony and lead were present in the on-site surficial ground water at levels exceeding their respective drinking water standards of 0.015 mg/l for lead and 0.006 mg/l for antimony.

IV. REMEDIAL ACTIONS

Remedy Selection

The ROD for the Normandy Park Apartments Site was signed on May 11, 2000. The remedial action objective for soil contaminants at the Normandy Park Apartments Site was to remove and treat, if necessary, the top two feet of soil throughout the apartment complex and replace with clean fill, thereby eliminating the potential for exposure to surface soil contaminants. The existing concrete caps installed pursuant to the EPA emergency response action, the existing buildings, and the asphalt parking lots would remain in place to act as caps, preventing exposure to the soil underneath. Institutional controls would be used to ensure the soil underneath these structures will be properly treated if the land use changes.

The remedial action objective for ground water was to remove the highly contaminated soil in the southern courtyard, which was a contributing source of ground water contamination. Since removal of this significant source, monitoring of the ground water has taken place to ensure it naturally attenuates to below the cleanup levels.

The EPA selected a preferred remedy consisting of Excavation, On-Site Screening, Ex-Situ Stabilization, Off-Site Disposal, Monitored Natural Attenuation, and Institutional Controls. The preferred remedy required the following:

- Excavation of all exposed soil to a depth of two feet, with the exception of a twenty foot radius around the existing trees
- Removal of the deck in the southern complex and the soil excavated to the water table or as deep as possible without jeopardizing the structural stability of the adjacent swimming pool and apartment buildings
- Placement of a permeable liner at the base of the excavated areas
- Filling of all excavated areas with clean soil to pre-excavation grade and sodding
- Temporary storage of excavated soil in the open field south of the apartments to allow screening of the soils for compliance with Landfill Disposal Regulations under the Resource Conservation and Recovery Act (RCRA)
- On-site treatment of the soil stored in the open field via ex-situ stabilization if the screening indicates that the soil does not meet the Landfill Disposal Regulations
- Off-site disposal of treated and untreated soil in a regulated landfill
- Monitored natural attenuation of the ground water contaminants
- Institutional controls to limit future use of soil and ground water

Remedy Implementation

The Remedial Action (RA) work was awarded to WRS Infrastructure & Environment, Inc. (WRS), located in Tampa, Florida. WRS began mobilizing to the site on March 19, 2001. The following are the major components of the RA that were implemented:

- WRS removed the wood deck present in the southern complex and excavated soil up to seven feet below ground surface (bgs)
- The excavated soil from this area was treated with Portland cement and tri-sodium phosphate for disposal.
- WRS excavated soil in the central and northern apartment complexes to a depth of two feet bgs.
- All soil excavated was transported to a Class I Industrial Landfill in Okeechobee, Florida.
- A non-woven polypropylene fabric was placed over the bottom and sides of all of the soil excavations and the excavations filled with a clean fill obtained from an off-site location
- A landscaping contractor installed an irrigation system and sodded the excavated areas once the area was backfilled and graded.
- An independent contractor constructed tree plazas consisting of concrete pavers, wood decking or mulch over the areas being preserved around the existing trees.

The remedial action required by the ROD allowed that soil within a 20-foot radius or the drip-line of the mature oak trees, whichever was greater, should not be excavated. Instead, these areas would be covered with a tree plaza to prevent contact with the soil. During the implementation of the

remedial action, the EPA agreed that the preservation areas could remain in their existing state without the construction of a tree plaza if the total lead concentration in the soil was less than the concentration established by the residential exposure scenario in the site-specific risk assessment approved by the EPA (420 mg/kg). By using this standard, potential damage to the root systems of the trees, especially the mature oaks could be avoided. In areas where the soil lead concentration was less than 420 mg/kg, no tree plaza was constructed, although the area under the large oak tree in the west end of the central complex courtyard and the area at the east end of the northern complex courtyard, adjacent to the playground area, were covered with 6 inches of mulch. WRS completed the construction activities and demobilized August 25, 2001.

The areas that were excavated and the areas in which tree plazas were constructed are shown on Plate 3.

After completion of the remedial action, ground water sampling began to monitor the effect of natural attenuation on the ground water quality (see following Operation and Maintenance section). In addition, an easement was obtained that requires EPA and FDEP approval prior to removing or modifying existing structures that would pose possible exposure to contaminated soil underneath

Operation and Maintenance

Operation and Maintenance (O&M) at the site consists of the collection of ground water samples on a quarterly basis and maintaining the tree plazas to prevent exposure in areas of elevated lead concentrations. Ground water sampling requirements were initially identified in the "Revised Sampling and Analysis Plan, Remedial Design Ground Water Sampling, Normandy Park Apartments, Tampa, Florida, for Gulf Coast Recycling" dated February 13, 2001. This sampling and analysis plan (SAP) was approved by the EPA in a letter dated May 10, 2001.

No specific O&M manual exists with respect to maintenance of the tree plazas; however, quarterly inspections of the tree plazas will be conducted to assure their integrity and effectiveness. These inspections will coincide with the scheduled quarterly sampling events.

O&M Operational Summary

The approved SAP required the sampling of eighteen (18) monitor wells at the Normandy Park Apartments Site. Thirteen (13) of these wells are screened within the upper portion of the surficial aquifer (MW-1 through MW-6, MW-7A, and MW-8 through MW-13), two (2) are screened at the base of the surficial aquifer (MW-DSA-1 and MW-DSA-2), and three (3) are screened into the uppermost portion of the Floridan aquifer. The locations of the monitor wells are shown on Plate 4.

Sampling of the required wells began in August 2001, after installation of six new monitor wells required under the SAP. Starting in October 2001, ground water samples were collected quarterly (January, April, July and October) from monitor wells MW-7A, MW-10, MW-11, MW-12, MW-DSA-1 and MW-DSA-2. These samples were analyzed for lead, arsenic, and antimony. Semi-annually (April and October), samples were also collected from existing surficial monitor wells MW-1, MW-2, and MW-8, and from the existing Floridan aquifer monitor well PZ-1, and analyzed for the same parameters.

Changes to the ground water monitoring plan were proposed and subsequently approved by the EPA in a March 27, 2003 letter. The changes that were approved were:

1. Sampling of all of the monitoring program wells on a semi-annual basis, except for wells MW-7A and MW-11. These two wells are sampled quarterly.
2. Analysis of the samples for arsenic concentrations only once per year, during the October sampling event.
3. Addition of sampling of monitor well MW-5 semi-annually. The sample from this well is analyzed only for antimony.

In addition to these changes, the installation of a surficial aquifer monitor well was recommended along the western property boundary, approximately midway between wells MW-2 and MW-5 in the report (dated October 23, 2003) that presented the results of the July and April 2003 sampling events. This well (identified as well MW-13) was recommended to provide a point for the measurement of ground water elevation that was needed to better define the direction of ground water flow along the western property line and to identify and evaluate the extent of elevated antimony concentrations in the ground water. A ground water flow map for the site is provided in Appendix A, Plate 2. The installation of this well was approved by the EPA and subsequently installed on June 17, 2004. Sampling of this well occurs semi-annually.

Reports of the ground water sampling results are submitted to the EPA after completion of each of the ground water sampling events. The most recent of the sampling events is described in the report prepared by QORE entitled "April 2006 Sampling Event, Remedial Action Ground Water Sampling, Normandy Park Apartments, Tampa, Florida, For Gulf Coast Recycling, QORE Project No. 2148M", dated June 26, 2006. A copy of this report is provided in Appendix A and the results of the ground water monitoring are presented in Table 2 of the report.

O&M activities with respect to maintaining the tree plazas have been minimal. Mulch was added to the large tree plaza in the central courtyard of the middle apartment complex in December 2005. Minor paving block repairs were made at the same time to a tree plaza on the north side and adjacent to the parking lot between the northern and central complexes. Since completion of the remedy, no other O&M activities have been recorded with respect to the tree plazas.

Costs of O&M Operations

Costs of the O&M operations to maintain the tree plazas have been minimal to-date. The ground water sampling activities vary depending on the number of wells being sampled and the analyses being performed. In general, with GCR personnel assisting in the sampling, sampling costs typically range from \$1500 (January and July) to \$3000 (March and September) per sampling event. Actual yearly invoiced costs associated with the ground water sampling, since October 2001, are as follows:

Table 2 - Annual O&M Costs

<u>Year</u>	<u>Invoiced Costs</u>
2001	\$1,870
2002	\$9,600
2003	\$8,425
2004	\$9,590
2005	\$8,280
Total	\$37,765

O&M Effectiveness

To date, the ground water monitoring has occurred as required and, as illustrated by the reductions in the sampling requirements, has effectively tracked ground water quality at the site. Similarly, the tree plazas have required essentially no maintenance to date and they are, therefore, effective in maintaining the remedy .

During a site inspection by GCR representatives in December 2005, it was discovered that a few concrete pavers making up one of the tree plazas had been disturbed. The pavers had been removed but replaced within the area from which they were removed. An adjacent resident of the apartment complex reported to GCR personnel that this activity had recently occurred and was done by teenagers that resided at the facility. GCR repaired the tree plaza and also renewed the mulch placed in the tree plaza located within the courtyard area of the middle apartment complex.

V. PROGRESS SINCE LAST 5-YEAR REVIEW

This review is the first 5-year review for the project.

VI. FIVE-YEAR REVIEW PROCESS

Administrative Components

GCR was notified of the initiation of the five-year review process in a telephone conversation and a follow-up email from Mr. William Denman of the EPA on July 15, 2005. The Normandy Park Apartments Site Five-Year Review was led by Mr. Denman of the EPA, Remedial Project Manager for the Normandy Park Apartments Site, and included employees from QORE, Inc. (QORE), under the direction of Mr. Lawrence J. Maron, P. E. QORE is the environmental consulting firm that prepared the Streamlined Remedial Investigation and Focused Feasibility Study, and developed and over saw the remedial action.

Community Involvement

A notice was sent on December 15, 2005 to the Temple Terrace Beacon, a local newspaper focused in the area of Temple Terrace, that announced that the EPA was conducting the Five-Year Review for the Normandy site and inviting public comments. Mr. William Denman of the EPA was identified as the contact. This notice was published in the December 21, 2005 newspaper. No comments were received from any parties. A copy of the notice is provided in Appendix B.

Mr. Denman also visited the Temple Terrace Library, the designated repository for documents pertaining to the site, on December 13, 2005, to verify that the documents submitted to the repository in the past were available. The documents were readily available.

Document Review

This five-year review included a review of relevant documents including the ROD and the ground water monitoring data. A listing of the documents reviewed is provided in Appendix C.

Data Review

Ground water monitoring has been conducted at the site since February 1996 on an irregular basis until October 2001. At that time, ground water monitoring began on a quarterly basis as part of the approved ROD. A copy of the historical monitoring data collected at the site is provided in Table 2 in Appendix A.

Since the start of quarterly monitoring in October 2001, lead has been detected at concentrations above the laboratory's Practical Quantitation Limit (PQL) of 0.0050 mg/l essentially only in monitoring wells MW-1 and MW-7A with the most recent concentrations (October 2005 sampling event) being .026 mg/l and .26 mg/l, respectively. Both these concentrations exceed the cleanup standard of 0.015 mg/l established in the ROD.

Arsenic concentrations have remained below the laboratory's PQL of 0.010 mg/l in all of the wells since October 2001.

Antimony concentrations exceed the cleanup standard of 0.006 mg/l in all of the monitor wells except wells MW-12, MW-DSA-1, MW-DSA-2 and PZ-1. Well MW-5 has the highest concentrations, ranging from 0.10 to 0.14 mg/l. The antimony concentrations in wells MW-1 and MW-7A have generally decreased over the long term; however, the concentrations in the remaining wells have generally fluctuated within narrow (0.010 mg/l) ranges.

Ground water elevations are all similar in pattern since implementation of the SAP. From October to January a decrease in water level on the order of two feet is generally seen and then a smaller decrease of less than ½ foot from January to April. This decrease is a reflection of Florida's "dry" season. Water levels then typically increase on the order of 1 to 1.5 feet from April to the sampling conducted in July reflecting the beginning of the typical "wet" season in Florida. Water levels typically continue to increase, slightly, from the July to October sampling events, depending primarily on the amount of rainfall that is received.

The elevated concentrations of antimony have been attributed, at least in part, to a potential offsite source. Monitoring well MW-5, in which the highest concentrations have been recorded, is located along the western property boundary in the southwestern corner of the site. Monitoring wells MW-2 and MW-13 are located along the western property boundary and both wells have elevated concentrations of antimony. Ground water elevations are highest at these latter two wells and the ground water contour maps indicate that ground water flows beneath the site from the western property boundary over the approximate middle of the site. Well MW-2 is also located up-gradient (west) of the area of the historical lead recycling activities. The concentrations of lead and arsenic in well MW-2 have been below the laboratory's PQL in all of the prior sampling events, indicating

a possible source other than battery recycling activities for the antimony concentrations observed. The lead concentration in well MW-13 was also below the laboratory's PQL (as noted in Section IV. REMEDIAL ACTIONS, Operation and Maintenance, the installation of well MW-13 was recommended by GCR to better evaluate the direction of ground water flow along the western property boundary and the source of the antimony).

Site Inspection

A site inspection was conducted on December 13, 2005 by Mr. William Denman of the EPA, Mr. Lawrence Maron of QORE and Ms. Joyce Morales-Caramella of GCR. The purpose of the inspection was to assess the protectiveness of the remedy by walking most areas of the site and observing the conditions of the tree plazas and the overall site.

No issues were identified during the inspection. All tree plazas appeared to be unaltered since their construction (the tree plaza identified in "*O & M Effectiveness*" having been repaired by GCR prior to the site inspection). New mulch had been placed in the tree plaza within the courtyard of the central apartment complex and the asphalt was maintained within the pavement areas. No evidence was observed that would indicate that digging within the grassed areas or within the paved areas had occurred since the remedy. A copy of the site inspection checklist is provided in Appendix D.

Restrictive covenants have been filed on the property deed which include prohibitions on the use of ground water at the site until clean up levels are achieved and notifications that the soils under the structures, paved areas and sidewalks are contaminated and that, if any of these structures are removed, then appropriate measures must be taken to address the underlying contaminated soils. A copy of the restrictive covenants is included in Appendix F of this report. Notifications are also required to notify future owners of the property of the site conditions and restrictions.

Interviews

Interviews were conducted with various parties connected to the site on December 13 and 14, 2005. The following people were interviewed:

Table 3 - List of Interviewees

Name	Position	Affiliation
Diane Lee	President	DLG Management Systems (DLG)
Amy Flanagan	Property Manager	DLG, and resident
Diana Colon	Leasing Agent	DLG, and resident
Franky Acuna	Maintenance Man	DLG
Victor Claudio	Maintenance Man	DLG
Apartment Resident #1	Apartment Resident	Resident
Apartment Resident #2	Apartment Resident	Resident
Joyce Morales-Caramella	Environmental and Health Manager	GCR

DLG Management Systems is the entity managing the complex for the current owner.

All but Apartment Resident #2 were interviewed on December 13, 2006 by Messrs. Denman and Maron and Ms. Morales-Caramella. Apartment Resident #2 was interviewed by Mr. Denman on December 14, 2006. Both interviewees were residents of the apartment complex before the remedial action was performed. Copies of the completed interview forms are provided in Appendix E.

The interviews with the DLG personnel revealed that most, including the site leasing and maintenance personnel, were unaware that contaminated soils remained on site and that restrictions existed with respect to disturbance of soils under the site structures (including sidewalks and paved areas). Ms. Lee and Flanagan reported that notices were provided to new tenants after the remedial action was completed to make them aware of the contamination that remained on site; however, this practice had been dropped over the past couple of years.

Ms. Morales-Caramella indicated that she had recently observed that several pavers that comprise one of the tree plazas had been pulled up, reportedly by teenagers that resided at the complex. Ms. Morales-Caramella made arrangements for GCR personnel to repair the plaza and alerted the apartment management personnel during the interview that the apartment personnel needed to be alert for these activities.

No issues were identified by the long-term residents of the site.

VII. TECHNICAL ASSESSMENT

Question A: Is the remedy functioning as intended by the decision documents?

The information reviewed and work performed during this review indicate that the remedy is functioning as intended by the ROD. The removal of the soil from all areas that would afford exposure of humans and animals has achieved the remedial objectives to minimize ingestion of contaminants in the soil. All of the structures under which contaminated soil remains are still intact.

The remedial action has been effective in preventing exposure to or use of contaminated ground water at the site. During the past 5 years, the monitoring system has been optimized to delete the collection of extraneous data and to add one monitor well to better define that off site sources may be contributing to elevated antimony concentrations in the ground water under the western portion of the site.

The institutional controls (restrictive covenants) that are in place provide notification that the soil underneath the structures, paved areas and sidewalks are contaminated. The restrictive covenants also require that if any of these structures are removed, then appropriate measures must be taken to address the underlying contaminated soils. With one minor exception near the end of the five-year review period (the recent disturbance of pavers at one tree plaza), the cap (existing structures and tree plazas) has been undisturbed. A copy of the restrictive covenants has been included in Appendix F.

After the interviews of the on-site personnel, EPA was notified by the apartment manager that the soil under the first floor of one of the townhouses would be exposed and disturbed during the repair of plumbing under the floor. The apartment personnel had advised the plumbing contractor that the

soil was contaminated and required special care in removal and disposal. The plumbing work was performed on December 26, 2005 and was attended by representatives of QORE and GCR who verified that proper protective clothing was worn by the plumbing contractors and that soil removed from the excavation was properly handled. Excess soil was drummed and taken to OCR's Tampa facility for processing.

Question B: *Are the exposure assumption, toxicity data, cleanup target levels, and remedial action objectives (RAQs) used at the time of the remedy selection still valid?*

The Federal drinking water standard and the ground water standard (Maximum Contaminant Level (MCL)) for Class G-II Ground Water within the State of Florida for arsenic was lowered from 0.050 mg/l to 0.010 mg/l (Rule 62-550, Florida Administrative Code). This change has had no effect on the remedy selection because the concentration of arsenic at the site has been below the revised MCL of 0.010 since the April 2002 sampling event.

The Soil Cleanup Target Level (SCTL) for lead, as established by the State of Florida in Rule 62-777, Florida Administrative Code, is 400 mg/kg for the residential exposure scenario. This concentration was initially established for certain State cleanup programs in May 1999 and re-affirmed in April 2005; however, the SCTL can be modified if a site-specific risk assessment is performed. Even if one utilizes the SCTL of 400 mg/kg, it has no effect on the remedial action performed at the site because the only place soil was not excavated is within the drip-line of select trees. The concentrations of lead in the soil samples collected from the tree areas that tree plazas were not constructed over, were all less than 400 mg/kg. Copies of the plates that transmitted the soil sampling results within the tree preservation areas to the EPA are provided in Appendix G.

Overall, the remedy is progressing as expected. As previously discussed, all monitor wells have seen an overall decrease in the concentration of contaminants. The lead concentration in all the monitor wells except MW-1 and MW-7A are below the cleanup standard of 0.015 mg/l. Chart 1 is provided in appendix H showing the decreasing trend of lead concentration in MW-1 and MW-7A.

The arsenic concentration has remained below the laboratory's PQL of 0.010 mg/l in all of the wells since October 2001. Overall, the antimony concentrations have fluctuated, however they do show a decreasing trend in concentration levels. Chart 2 is provided in appendix H showing the antimony concentrations in MW-7A and MW-11.

Piezometer PZ-1 has been sampled semi-annually for antimony, arsenic and lead to insure that the Floridan Aquifer remains uncontaminated. No detections of these parameters above the laboratory's reporting limit have occurred since the start of sampling in February 1996. Based on this and other contamination assessment work performed on site, the Floridan Aquifer remains unaffected by past site activities.

Question C: *Has any other information come to light that could call into question the protectiveness of the remedy?*

No information was identified during this five-year review that questions the protectiveness of the remedy.

Technical Assessment Summary

According to the data reviewed, the site inspection, and the interviews, the remedy is functioning as intended by the ROD. There have been no changes in the physical conditions of the site that would affect the protectiveness of the remedy. Most ARARs for soil contamination cited in the ROD have been met. There have been no changes in toxicity factors for the contaminants of concern that were used in the baseline risk assessment, and there have been no change to the standardized assessment methodology that could affect the protectiveness of the remedy. There is no other information that calls into question the protectiveness of the remedy.

VIII. ISSUES

Table 4 - Issues

Issue	Currently Affects Protectiveness	Affects Future Protectiveness
Maintenance and management personnel unaware of need to maintain tree plaza areas	No	Yes
Maintenance and management personnel unaware of presence of contaminated soil on site	No	Yes
New tenants not informed of past remedial actions and presence of contaminated soil on site	No	No
Decrease of antimony concentrations in groundwater at certain locations not occurring as quickly as expected.	No	No
Resolve need for monitor well along eastern property boundary as requested by the FDEP.	No	No

IX. RECOMMENDATIONS AND FOLLOW-UP ACTIONS

Table 5 - Recommendations and Follow-Up Actions

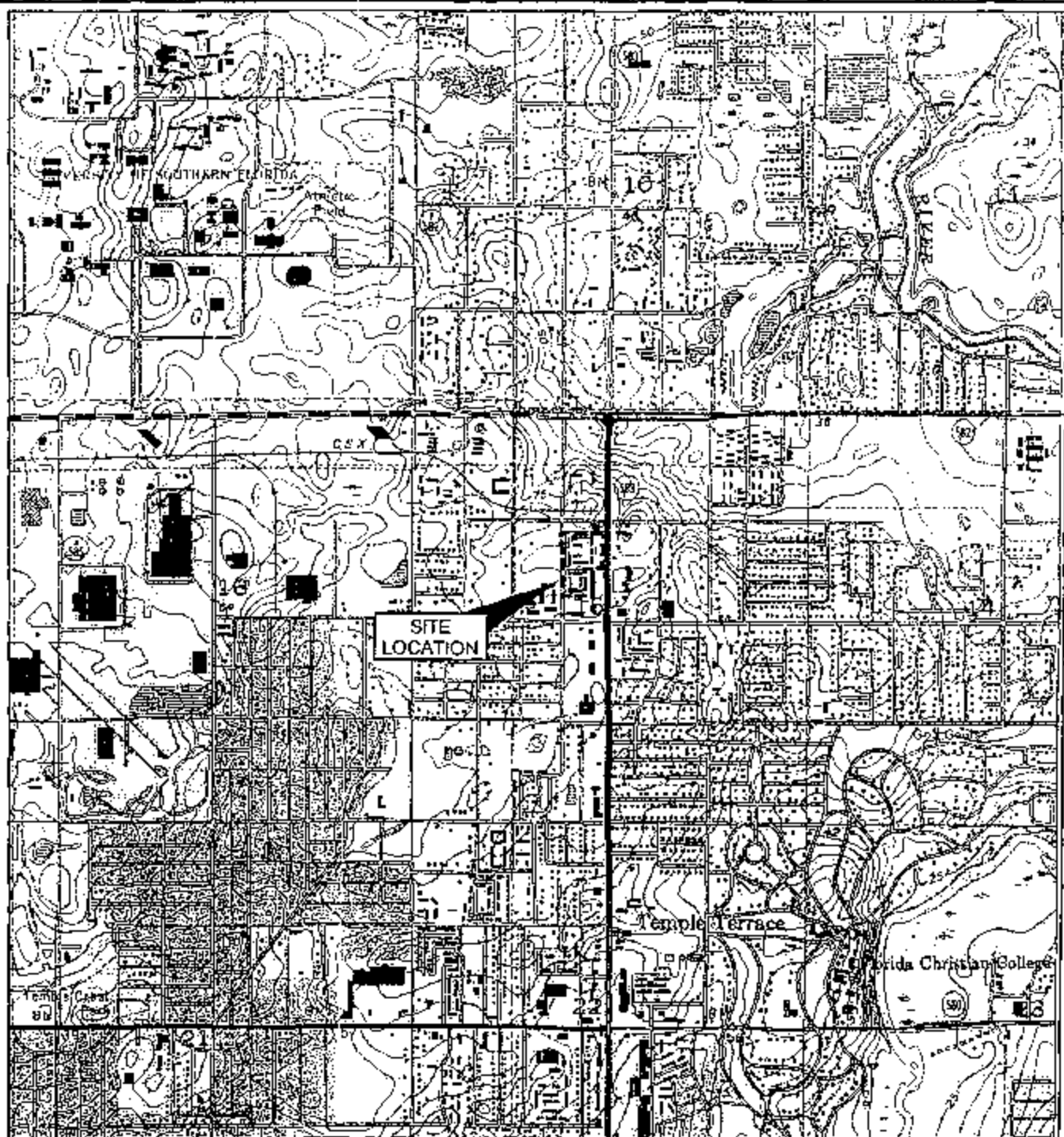
Issue	Recommendations/ Follow-Up Actions	Party Responsible	Oversight Agency	Milestone Date	Affects Protectiveness (Y/N)	
					Current	Future
Tree plaza maintenance	Prepare written description of inspection and maintenance activities for site personnel.	GCR	EPA	1/1/2007	N	Y
Written contaminated soil plan	Prepare written description of actions to be taken when contaminated soil exposed. Meet with maintenance and management personnel yearly to review soil contamination restrictions. Quarterly verify with management staff that new maintenance personnel have been educated on soil contamination restrictions.	GCR	EPA	1/1/2007	N	Y
Notification of new tenants	Prepare one-page information sheet to hand out to new tenants	DLG/GCR	EPA	1/1/2007	N	N
Decrease of antimony concentration	Evaluate the potential for an offsite source of antimony concentration	QORE	EPA	10/1/2007	N	N
Disseminating of ground water contamination to uncontaminated areas.	Prior to conducting the next 5-year review monitoring wells MW-6 and MW-9 will be sampled.	QORE	EPA	6/1/2011	N	N
Resolve need for monitor well with FDEP.	Discuss need for monitor well with EPA and FDEP.	EPA	EPA	10/1/2007	N	N

X. PROTECTIVENESS STATEMENT

The remedy is expected to be protective of human health and the environment upon attainment of ground water cleanup goals through natural attenuation. In the interim, institutional controls are preventing the exposure to and ingestion of contaminated ground water at the site. Similarly, institutional controls are preventing exposure to and ingestion of contaminated soil at the site. All threats at the site have been addressed through removal of contaminated soil in readily accessible areas, the construction of tree plazas in areas where the soil was not removed from existing tree root systems, and institutional controls to notify current and future owners of the site that soil under the existing structures (including paved areas and sidewalks) is contaminated and must be addressed appropriately if any structure is demolished or soil is excavated from beneath the structures.

XI. NEXT REVIEW

The next five-year review for the Normandy Park Apartment site is required within five years of the signature/approval date of this report. It should be noted that wells MW-6 and MW-9 must be sampled prior to the next five-year review.



SECTION 15, T28S, R19E

USGS 7.5 MINUTE
SULPHUR SPRINGS QUADRANGLE
1958, PHOTOREVISED 1987



SCALE



0 2000 FT.

NORMANDY PARK APARTMENTS

DATE
2/2/06

JOB NO.
2148M

PLATE NO.
1



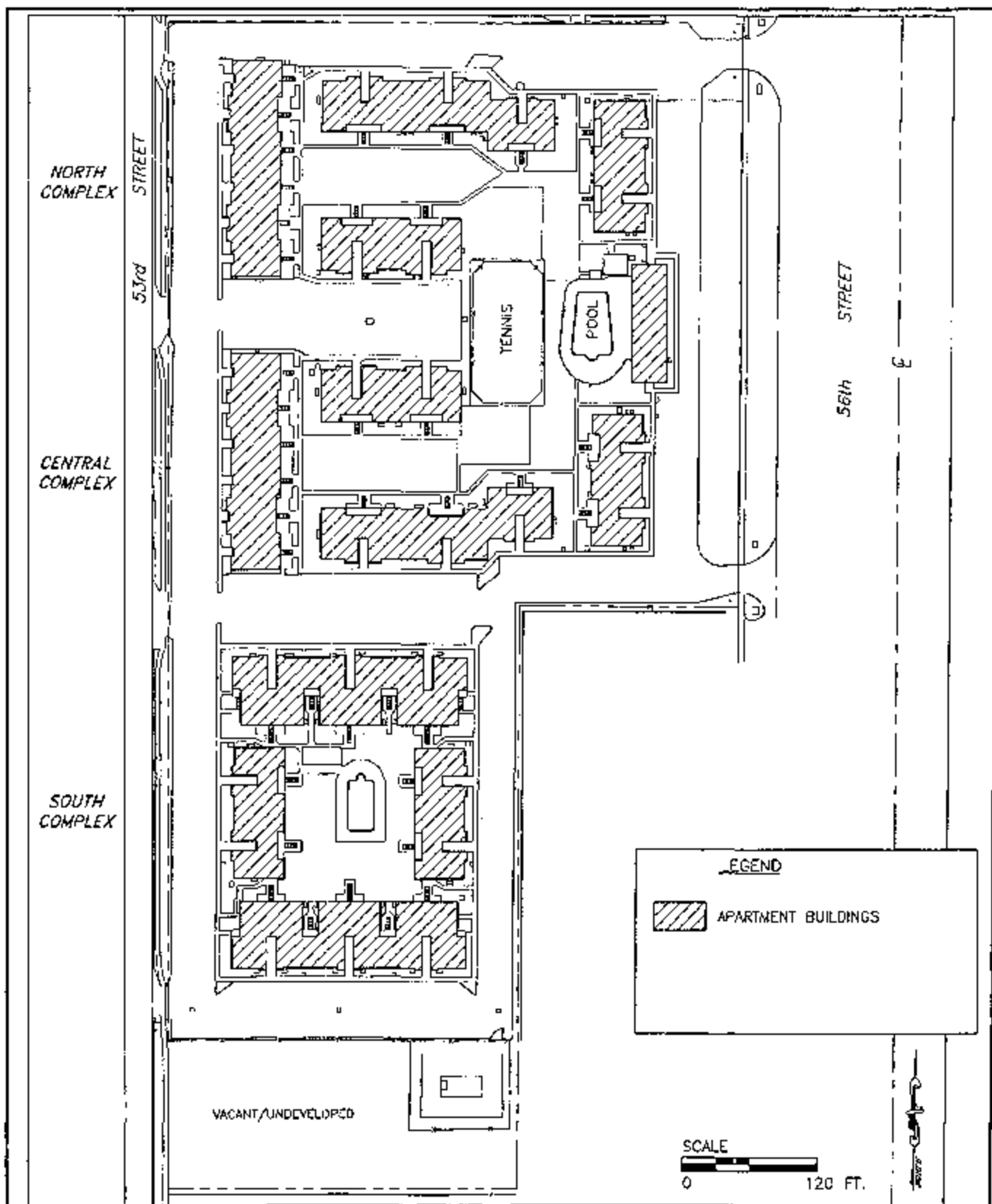
QORETM
PROPERTY SCIENCES

1211 Tech Blvd. Suite 200 Tampa, Florida 33619 (813) 623-6646

SITE LOCATION MAP

TEMPLE TERRACE, FLORIDA

SITELOC2148M



NORMANDY PARK APARTMENTS

DATE
2/2/06

JOB NO.
2148M

PLATE NO.
2

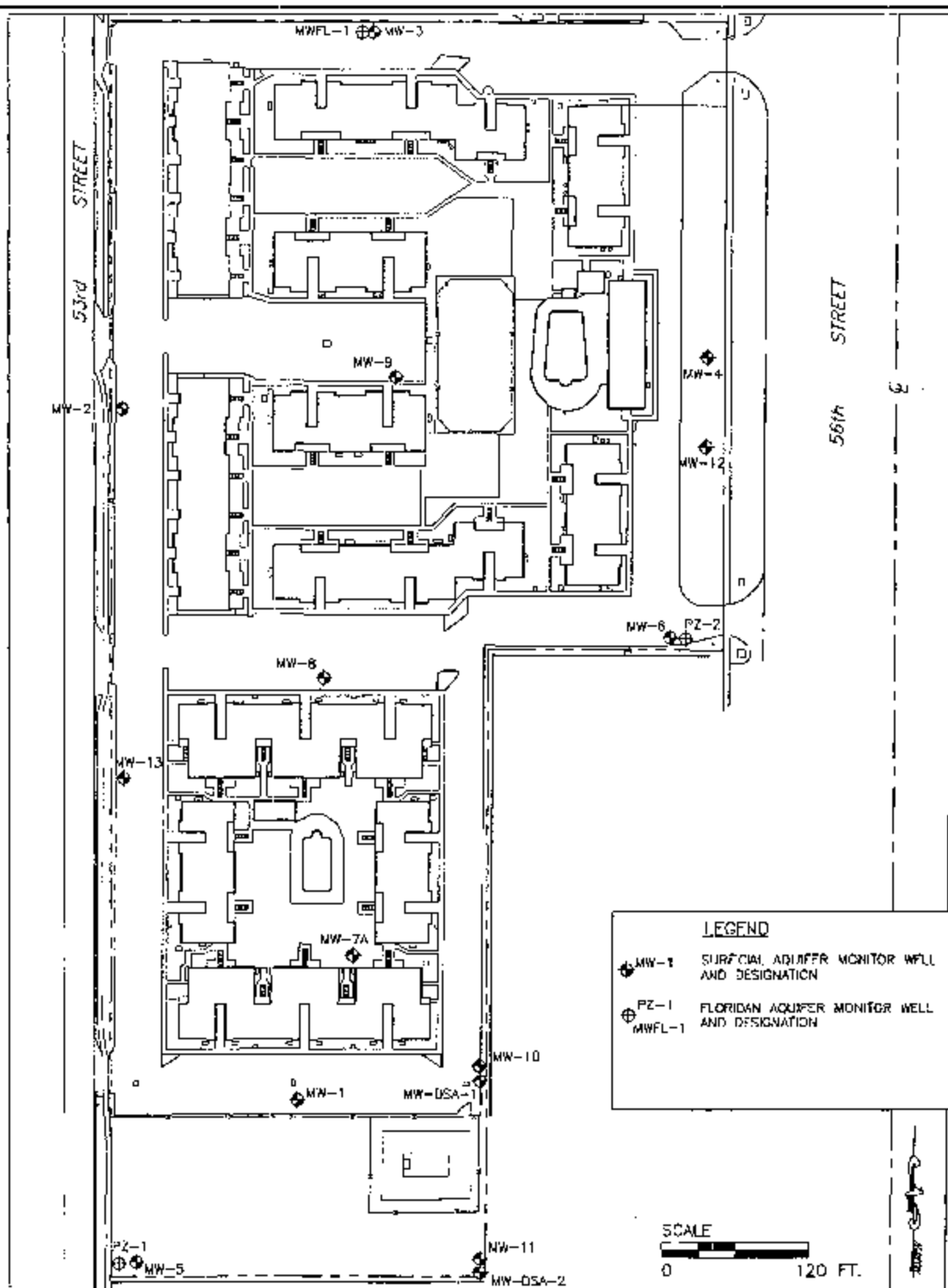


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SITE LAYOUT

TEMPLE TERRACE, FLORIDA



NORMANDY PARK APARTMENTS

DATE
2/3/06

JOB NO.
2148M

PLATE NO.
4



1211 Tech Blvd. Suite 200 Tampa, Florida 33619 (813) 620-6645

MONITOR WELL LOCATIONS

TEMPLE TERRACE, FLORIDA

APPENDIX A

APRIL 2006 SAMPLING REPORT



Prepared for:

U.S. Environmental Protection Agency
61 Forsyth Street
Atlanta, Georgia 30303-8960

Prepared by:

QORE, Inc.
1211 Tech Blvd.
Suite 200
Tampa, Florida 33619

April 2006 Sampling Event
Remedial Action Ground Water Sampling
Normandy Park Apartments
Tampa, Florida
For EnviroFocus Technologies, L.L.C.

June 26, 2006
QORE Project No. 2148M

June 26, 2006

Mr. William C. Denman, P. E.
U.S. Environmental Protection Agency
61 Forsyth Street
Atlanta, Georgia 30303-8960

Re: April 2006 Sampling Event
Remedial Action Ground Water Sampling
Normandy Park Apartments
Tampa, Florida
For EnviroFocus Technologies, L. L. C.
QORE Project No. 2148M

Dear Mr. Denman,

QORE, Inc. (QORE) is pleased to submit this report presenting the results of the periodic ground water sampling conducted as part of the Remedial Action at the above-referenced site. The ground water sampling was initially described in QORE's document entitled "*Revised Sampling and Analysis Plan, Remedial Design Ground Water Sampling, Normandy Park Apartments, Tampa, Florida, for Gulf Coast Recycling*", dated February 13, 2001, and was modified by the U.S. Environmental Protection Agency (EPA) in a letter from Mr. Bill Denman to Ms. Joyce Morales-Caramella of Gulf Coast Recycling, Inc. (GCR) dated March 27, 2003. Please be advised that EnviroFocus Technologies, L. L. C. (EFT) purchased substantially all of the assets of GCR on May 31, 2006 and will be responsible for continuing the ground water monitoring at the site. QORE will continue to perform the ground water monitoring on behalf of EFT.

This report presents the results of the sampling conducted in April 2006.

BACKGROUND

The approved Sampling and Analysis Plan (SAP) required the installation of six monitor wells at the Normandy Park Apartment site after the remedial action was completed: four screened within the upper portion of the surficial aquifer (MW-7A, MW-10, MW-11 and MW-12) and two screened at the base of the surficial aquifer (MW-DSA-1 and MW-DSA-2). The installation of these monitor wells was completed on August 30, 2001.

The six monitor wells required by the SAP supplemented eight (8) surficial aquifer monitor wells (MW-1 through MW-6, MW-8 and MW-9) that existed at the site. Three monitor wells (MWFL-1, PZ-1 and PZ-2) also exist on site that are screened into the uppermost portion of the Floridan aquifer. The locations of all the monitor wells are shown on Plate 1.

Starting in October 2001, ground water samples were collected quarterly (January, April, July and October) from the six monitor wells installed in accordance with the SAP. These samples were analyzed for lead, arsenic, and antimony. Semi-annually (April and October), samples were also collected from existing surficial monitor wells MW-1, MW-2, and MW-8, and from the existing Floridan aquifer monitor well PZ-1, and analyzed for the same parameters.

Changes to the ground water monitoring plan were approved in EPA's March 27, 2003 letter to Ms. Joyce Morales-Caramella of OCR. The changes that were approved were:

1. All of the monitor wells in the ground water monitoring program are sampled semi-annually, except for wells MW-7A and MW-11. These two wells are sampled quarterly.
2. Arsenic concentrations are measured only once per year, during the October sampling event.
3. Semi-annual sampling of monitor well MW-5 was added to the monitoring program. The sample from this well is analyzed only for antimony.

In addition to these changes, the installation of a surficial aquifer monitor well (MW-13) was recommended along the western property boundary, approximately midway between wells MW-2 and MW-5 in the report (dated October 23, 2003) that presented the results of the July and April 2003 sampling events. This well was recommended to provide a point for the measurement of ground water elevation, needed to better define the direction of ground water flow along the western property line, and to identify and evaluate the extent of elevated antimony concentrations in the ground water. The installation of this well was approved by the EPA and it was subsequently installed on June 17, 2004. Sampling of this well occurs semi-annually along with the other shallow aquifer wells.

GROUND WATER FLOW

The depth to ground water was measured in all the wells on April 20, 2006. The ground water depths and the corresponding ground water elevations are presented in Table 1. Due to much lower than normal rainfall during the months preceding the April 20th measurements, the water level in two monitor wells (MW-3 and MW-4) had dropped below the bottom of their respective well screens.

The ground water elevations were plotted on a scaled map of the site and equal lines of ground water elevation were interpolated between the known points. The individual water elevations at each well and the ground water contours for the surficial aquifer during the April event are shown on Plate 2. At the time of the ground water measurements, ground water flow at the site appears to be radially toward the north, east and south from a ground water "high" located west of the western property boundary. This flow pattern is similar to that reported during prior sampling events.

The potentiometric elevations measured in the Floridan monitor wells during the April sampling event are shown on Plate 3. Ground water flow in the Floridan aquifer during this event was toward the east-northeast. This flow direction is more northerly than the southeasterly-trending flows identified during the January 2006 sampling event; however flow in a northeasterly direction tends to be more consistent with previous events. In general, the slope of the potentiometric surface is very shallow at the site (less than 3 inches over 500 feet). As a result, small changes in measurements at the wells can dramatically affect the purported direction of ground water flow.

GROUND WATER MONITORING

Ground water samples were collected on April 20 and 21, 2006, from monitor wells MW-1, MW-2, MW-5, MW-7A, MW-8, MW-10, MW-11, MW-12, MW-13, MW-DSA-1, MW-DSA-2 and PZ-1, as designated in the SAP. All sampling was conducted in accordance with the procedures and protocols contained in the QORE Quality Assurance Project Plan (QAPP) most recently approved by the EPA. After purging the well, each ground water sample was analyzed in the field for temperature, pH, conductivity, turbidity and dissolved oxygen. The ground water samples were placed in laboratory-supplied sample containers and stored on ice in a laboratory-supplied cooler until delivery to the laboratory for analysis. The samples were submitted to STL Tampa West (STL) for analysis of total antimony and total lead using EPA Method 6010.

The results of the laboratory analyses are summarized in Table 2. With the exception of the samples from wells MW-1 and MW-2, the turbidities of the samples from all the wells were less than 10 Nephelometric turbidity units (NTUs). The turbidity values in wells MW-1 and MW-2 could not be lowered below 23 NTUs and 35 NTUs, respectively, during the sampling. As a result, filtered samples were also collected from these two wells for analysis. Despite filtering, the turbidities of the filtered samples were 15 NTUs for MW-1 and 13 NTUs for MW-2. This is the third consecutive sampling event that a filtered sample has been collected from well MW-1 and the first for well MW-2.

Table 2 also includes the results of prior water quality sampling conducted under the SAP and sampling results reported in the Streamlined Remedial Investigation, prepared by QORE, Inc., dated June 30, 1999. Copies of the laboratory reports and field sampling forms for the April 2006 sampling event are presented in Appendix A.

The results of the water quality sampling are very similar to past sampling events. Lead was reported at a concentration above the laboratory's Practical Quantitation Limit (PQL) of 0.0050 milligrams per liter (mg/l) only in the samples collected from wells MW-1, MW-2 and MW-7A. The unfiltered lead concentration in the sample from well MW-1 was 0.027 mg/l, which is virtually the same as that reported for the October 2005 sampling event (0.026 mg/l). The unfiltered lead concentration in the sample from well MW-2 was 0.012 mg/l, which represents the only value reported for this well above the PQL of 0.0050 mg/l. The concentration of lead in the filtered sample from well MW-2 was < 0.0050 mg/l, indicating that the unfiltered lead concentration is likely caused by sediment in the sample. The lead concentration in the filtered sample from well MW-1 was 0.015 mg/l, which indicates that at least some of the reported lead concentration can likely be attributed to sediment in the sample. The lead concentration in the sample from well MW-7A was 0.24 mg/l, virtually the same concentration of 0.23 mg/l reported during the October 2005 sampling event and well within the range of concentrations reported in the past. The concentrations of lead in wells MW-1 and MW-7A are greater than the Maximum Contaminant Level (MCL) of 0.015 mg/l, as established by the Primary Drinking Water Standards and Rule 62-520, Florida Administrative Code.

During the April 2006 sampling event, antimony was reported above the laboratory's PQL in the ground water samples collected from wells MW-1, MW-2, MW-5, MW-7A, MW-8, MW-10, MW-11 and MW-13. The antimony concentrations for these samples were all greater than the MCL

of 0.006 mg/l, with the maximum concentration occurring in well MW-10. In general, the concentrations of antimony in the wells were similar to concentrations that had been previously reported, with the exception of wells MW-7A and MW-10. The concentration of antimony in well MW-10 was almost four times the value reported in the last sampling event for this well (October 2005) while the concentration in well MW-7A was almost one-half the previous value (January 2006).

ANALYSIS OF ANTIMONY CONCENTRATIONS

In the past, the reports presenting the results of the semi-annual sampling events provided a discussion of the elevated antimony concentrations in relationship to any historic changes in ground water flow directions and/or water level fluctuations. The plots of antimony concentration versus water level previously presented were updated with the April 2006 sampling event data for wells MW-1, MW-2, MW-5, MW-7A, MW-8, MW-10, MW-11, MW-12 and MW-13 and are provided in Appendix B. Plots for the remaining wells in the monitoring program have not been developed because antimony concentrations have always been reported to be below the laboratory's PQL of 0.0060 mg/l.

The plots of the water elevations are all similar in pattern over the past year, as follows:

- Water levels increased slightly (on the order of 1 to 1.5 feet) from April 2005 to the sampling conducted in July 2005, reflecting the beginning of the seasonal increase in rainfall associated with the typical "wet" season in Florida.
- Water levels decreased slightly (less than ½ feet) from the July 2005 to the October 2005 sampling events, suggesting a decreased amount of rainfall for this period.
- Since the October 2005 sampling event, water levels decreased on the order of 1-½ feet at the time of the January 2006 sampling event and continued to decrease 1-¼ feet at the time of the April 2006 event. As noted previously, wells MW-3 and MW-4 were dry during the April 2006 event. The decreases in the water table reflect the smaller amounts of rainfall associated with Florida's "dry" season.

A review of the antimony versus water level plots indicates three general trends, as follows:

1. Antimony concentrations decrease as water levels increase and increase as water levels decrease. The antimony concentrations in wells MW-1 and MW-10 appear to follow this trend, especially over the last 2 years. Antimony concentrations in well MW-2 also followed this trend with the exception of the October 2005 sampling event, when the antimony concentration dropped below the PQL of 0.006 mg/l with a drop in water level. Antimony concentrations in MW-13 appeared to follow this trend; however, during this sampling event, the antimony concentration decreased as the water level decreased. The decrease in antimony concentrations as water levels increase can be associated with dilution due to the increased volume of water resulting from the percolation of rainwater. As water levels decrease, the volume of water decreases and the antimony concentration increases.

2. Antimony concentrations parallel the pattern of water levels, that is, concentrations increase as water levels increase and decrease as water levels decrease. This pattern generally occurs in well MW-7A. This type of pattern typically indicates that antimony is being dissolved as water level increases; however, the plot of antimony concentrations clearly shows that antimony concentrations are decreasing over the long term. Concentrations currently are about 1/5 the value observed during sampling events in 2002.
3. Antimony concentrations don't change in response to water levels. This trend occurs in wells MW-5, MW-8, and MW-11. Antimony concentrations in well MW-5 show a consistent decrease since monitoring of this well began, although, with the single exception of a slight increase for the October 2005 sampling event. Antimony concentrations in wells MW-8 and MW-11 are remaining relatively constant.

As noted previously, the antimony concentration in well MW-2 dropped below the MCL of 0.006 mg/l for the first time during the October 2005 sampling event. The antimony concentration only increased slightly to 0.0012 mg/l (filtered) this sampling event. The water level and antimony concentrations reported during the April 2006 event still support the contention that the area west of the site may be contributing to at least some of the elevated antimony concentrations, as follows:

- Ground water elevations are highest at wells MW-2 and MW-13 and ground water flow has been toward the east and south from these wells.
- The ground water contour maps indicate that ground water flows beneath the site from the western property boundary over the approximate middle of the site. Well MW-2 is also located up-gradient (west) of the area of historical lead recycling activities, indicating that water flowing beneath the site from the west may be contributing to at least some of the elevated antimony concentrations.
- The concentrations of lead and arsenic in well MW-2 have been below the laboratory's PQL in all of the prior sampling events, indicating a possible source other than battery recycling activities for the antimony concentrations observed in well MW-2. The lead concentration in well MW-13 was also below the laboratory's PQL.

Well MW-5, which has normally had the highest concentrations of antimony, is also located along the western property boundary in the southwestern corner of the site. Ground water flow at this location is typically toward the south or southeast, further indicating a possible source west of the site.

QORE is pleased to have this opportunity to submit this information for EFT. If you have any questions pertaining to this report, please do not hesitate to contact us.

* * * * *

Yours very truly,
QORE, Inc.

Four (4) copies submitted

cc: Ms. Joyce Morales-Caramella - EFT (two copies)

TABLE 1
GROUND WATER ELEVATIONS
APRIL 20, 2006
NORMANDY PARK APARTMENTS

Measuring Point Designation	Top-of-Casing Elevation (feet NGVD)	Depth to Water (feet btoc)	Water Level Elevation (feet NGVD)
Shallow Aquifer Monitor Wells			
MW-1	76.14	8.37	67.77
MW-2	78.03	8.04	69.99
MW-3	78.57	DRY	DRY
MW-4	78.42	DRY	DRY
MW-5	74.19	6.95	67.24
MW-6	76.54	10.01	66.53
MW-7A	77.35	9.02	68.33
MW-8	78.01	9.04	68.97
MW-9	77.77	9.22	68.55
MW-10	76.39	9.57	66.82
MW-11	76.06	10.20	65.86
MW-12	77.86	11.81	66.05
MW-13	77.34	6.88	70.46
Deep Shallow Aquifer Monitor Wells			
MW-DSA-1	76.44	9.72	66.72
MW-DSA-2	75.78	10.20	65.58
Floridan Aquifer Monitor Wells			
MWFL-1	78.81	59.70	19.11
PZ-1	74.09	54.86	19.23
PZ-2	76.31	57.28	19.03

Note: Feet NGVD = feet above National Geodetic Vertical Datum of 1929.
N.M. = Not Measured
btoc = below top of casing

TABLE 2
SUMMARY OF GROUND WATER QUALITY
NORMANDY PARK APARTMENTS

WELL NO.	DATE	ANTIMONY, mg/l	ARSENIC, mg/l	LEAD, mg/l	pH	TEMPERATURE, °C	CONDUCTIVITY, uS	TURBIDITY, NTUs
	MCL	0.006	0.05	0.015				
MW-1	20-Feb-96		<0.010	0.013				
	17-Dec-98	0.042	<0.010	0.15 (0.10)	6.42	26.7	98	126.0
	10-Aug-01	ns	ns	ns	ns	ns	ns	ns
	25-Oct-01	0.054	<0.010	0.015	4.45	28.4	243	5.6
	14-Jan-02	ns	ns	ns	ns	ns	ns	ns
	16-Apr-02	0.065	<0.010	0.013	6.17	26.3	451	2.1
	31-Jul-02	ns	ns	ns	ns	ns	ns	ns
	30-Oct-02	0.057	<0.010	0.016	5.96	30.0	550	4.7
	17-Apr-03	0.038	na	0.026	6.95	26.5	210	10.0
	15-Oct-03	0.041	<0.010	0.013	6.06	29.5	323	6.1
	13-Apr-04	0.048	na	0.012	6.75	25.8	172	7.0
	4-Oct-04	0.012	<0.010	0.025	6.17	31.6	375	9.5
	13-Apr-05	0.026 (0.025)	na	0.065 (0.052)	6.18	26.2	197	55 (40)
	20-Oct-05	0.033 (0.035)	<0.010	0.026 (0.0092)	5.80	31.1	322	16 (2.5)
	20-Apr-06	0.037 (0.037)	na	0.027 (0.015)	6.07	27.3	193	23 (15)
MW-2	20-Feb-96		<0.010	<0.0050				
	17-Dec-98	0.04	<0.010	<0.0050	6.40	26.0	310	15.3
	10-Aug-01	ns	ns	ns	ns	ns	ns	ns
	21-Nov-01	0.025 (0.026)	<0.010	<0.0050	6.27	25.7	568	6.8
	14-Jan-02	ns	ns	ns	ns	ns	ns	ns
	16-Apr-02	0.034	<0.010	<0.0050	6.33	26.4	489	2.9
	31-Jul-02	ns	ns	ns	ns	ns	ns	ns
	30-Oct-02	0.017	<0.010	<0.0050	6.08	29.1	3340	5.1
	18-Apr-03	0.0097	na	<0.0050	6.75	25.5	333	4.6
	15-Oct-03	0.021	<0.010	<0.0050	6.28	29.2	359	6.4
	13-Apr-04	0.059	na	<0.0050	6.60	25.1	561	0.6
	5-Oct-04	0.021	<0.010	<0.0050	5.66	29.3	381	0.5
	13-Apr-05	0.034	na	<0.0050	5.45	25.2	221	8.7
	20-Oct-05	<0.0060	<0.010	<0.0050	4.97	30.3	149.7	7.4
	21-Apr-06	0.0097 (0.012)	na	0.012 (<0.0050)	5.74	26.9	85.5	35 (13)
MW-5	16-Dec-98	0.093	<0.010	<0.0050	6.89	24.5	368	0.4
	17-Apr-03	0.14	na	na	6.92	24.0	294	3.8
	16-Oct-03	0.13	na	na	6.22	27.2	327	1.6
	13-Apr-04	0.12	na	na	6.72	23.2	567	0.6
	4-Oct-04	0.12	na	na	6.70	28.0	244	9.4
	13-Apr-05	0.10	na	na	6.16	22.8	249	5.5
	19-Oct-05	0.12	na	na	5.89	28.5	291	0.51
	20-Apr-06	0.09	na	na	5.86	24.3	275	1.4
MW-7A	20-Feb-96							
	17-Dec-98	0.11 (0.099)**	0.049**	0.24 (0.16)**	6.64**	23.3**	404**	54.8**
	13-Aug-01	0.081	<0.010	0.084	6.37	27.2	421	2.3
	26-Oct-01	0.29	<0.010	0.45	5.56	23.6	914	0.3
	15-Jan-02	0.16	0.010	0.37	6.12	21.8	791	0.3
	17-Apr-02	0.15	<0.010	0.66	6.29	24.1	820	2.2
	31-Jul-02	0.14	<0.010	0.30	6.20	26.5	810	4.6
	31-Oct-02	0.15	<0.010	0.51	6.18	26.4	630	1.7
	18-Apr-03	0.093	na	0.22	6.90	22.2	543	2.6
	18-Jul-03	0.11	na	0.39	6.82	25.9	568	2.0
	16-Oct-03	0.13	<0.010	0.24	6.47	26.6	424	1.3
	12-Jan-04	0.074	na	0.29	6.92	22.7	698	4.6
	13-Apr-04	0.037	na	0.18	7.51	21.5	496	2.2
	13-Jul-04	0.059	na	0.30	6.61	26.0	507	8.6
	5-Oct-04	0.086	<0.010	0.30	6.65	26.8	483	8.8
	20-Jan-05	0.049	na	0.22	7.20	24.8	457	1.4
	13-Apr-05	0.057	na	0.21	6.41	21.9	503	5
	7-Jul-05	0.072	na	0.30	6.73	26.8	505	5.1
	20-Oct-05	0.052	<0.010	0.26	6.18	28.5	439	0.05
	12-Jan-06	0.055	na	0.23	7.00	24.5	407	0.5
	21-Apr-06	0.03	na	0.24	6.42	23.9	494	0.4
MW-8	20-Feb-96							
	16-Dec-98	0.013	<0.010	<0.0050	6.18	24.8	445	4.5
	10-Aug-01	ns	ns	ns	ns	ns	ns	ns
	28-Oct-01	0.018	<0.010	<0.0050	5.90	24.7	198	4.9
	14-Jan-02	ns	ns	ns	ns	ns	ns	ns
	17-Apr-02	0.033 (0.032)	0.015 (0.011)	0.0070 (<0.0050)	6.24	26.2	155	45 (21)
	31-Jul-02	ns	ns	ns	ns	ns	ns	ns
	31-Oct-02	0.034	<0.010	<0.0050	6.36	27.5	293	3.0
	26-Apr-03	0.027	na	<0.0050	6.89	24.3	323	3.3
	15-Oct-03	0.026	<0.010	<0.0050	6.01	27.3	226	7.4
	13-Apr-04	0.027	na	<0.0050	6.30	24.0	127	8.5
	5-Oct-04	0.030	<0.010	0.0057	6.31	27.7	211	9.9
	13-Apr-05	0.023	na	<0.0050	5.88	24.2	115.6	7.9
	20-Oct-05	0.024	<0.010	<0.0050	5.59	28.1	119.3	5.8
	21-Apr-06	0.021	na	<0.0050	5.88	25.8	203	1.7

TABLE 2
SUMMARY OF GROUND WATER QUALITY
NORMANDY PARK APARTMENTS

WELL NO.	DATE	ANTIMONY, mg/l	ARSENIC, mg/l	LEAD, mg/l	pH	TEMPERATURE, °C	CONDUCTIVITY, uS	TURBIDITY, NTUs
	MCL	0.006	0.05	0.015				
MW-10	20-Feb-96	ni	ni	ni	ni	ni	ni	ni
	16-Dec-98	ni	ni	ni	ni	ni	ni	ni
	10-Aug-01	0.021	<0.010	<0.0050	5.84	24.2	442	1.4
	25-Oct-01	0.020	<0.010	<0.0050	5.43	28.4	444	1.6
	14-Jan-02	0.028	<0.010	<0.0050	5.94	24.4	463	0.5
	17-Apr-02	0.030	<0.010	<0.0050	5.76	28.2	494	3.3
	31-Jul-02	0.028	<0.010	<0.0050	5.70	29.4	586	1.5
	30-Oct-02	0.031	<0.010	<0.0050	5.74	30.5	355	4.7
	18-Apr-03	0.020	na	<0.0050	6.63	26.7	274	7.4
	16-Oct-03	0.028	<0.010	<0.0050	6.35	30.1	351	2.4
	13-Apr-04	0.060	na	<0.0050	6.68	26.2	343	7.8
	4-Oct-04	0.033	<0.010	<0.0050	6.45	31.1	190.2	3.5
	13-Apr-05	0.013	na	<0.0050	6.15	26.1	348	8.2
	20-Oct-05	0.027	<0.010	<0.0050	5.93	31.1	320	2.8
MW-11	20-Apr-06	0.12	na	<0.0050	6.52	28.4	261	3.5
	20-Feb-96	ni	ni	ni	ni	ni	ni	ni
	16-Dec-98	ni	ni	ni	ni	ni	ni	ni
	10-Aug-01	0.036	<0.010	<0.0050	6.64	23.2	492	0.5
	25-Oct-01	0.040	<0.010	<0.0050	6.28	26.3	458	0.8
	15-Jan-02	0.028	<0.010	0.0088	6.47	21.0	43.3	0.7
	17-Apr-02	0.010	<0.010	0.022	5.89	25.9	226	3.1
	31-Jul-02	(0.042)	(<0.010)	(0.0068)	5.84	27.8	325	14 (4.4)
	31-Oct-02	0.052	<0.010	<0.0050	5.91	27.2	257	32 (23)
	18-Apr-03	0.033	na	<0.0050	6.81	23.9	370	3.8
	18-Jul-03	0.038	na	0.0060	6.86	27.5	293	9.3
	15-Oct-03	0.046	<0.010	<0.0050	6.53	27.3	321	7.4
	12-Jan-04	0.035	na	<0.0050	6.75	22.7	441	5.2
	13-Apr-04	0.033	na	<0.0050	6.70	23.3	300	7.4
	13-Jul-04	0.034	na	<0.0050	6.41	27.1	270	8.8
	4-Oct-04	0.031	<0.010	0.0074	6.48	27.3	105.8	31
	20-Jan-05	0.029	na	<0.0050	7.21	24.0	429	2.8
	13-Apr-05	0.031	na	<0.0050	6.24	23.8	377	6.40
	7-Jul-05	0.038	na	<0.0050	5.95	27.8	272	4.1
MW-12	19-Oct-05	0.037	<0.010	<0.0050	6.25	28.1	313	4.3
	12-Jan-06	0.038	na	<0.0050	6.66	23.1	335	3.3
	20-Apr-06	0.031	na	<0.0050	6.29	25.3	236	1.6
	20-Feb-96	ni	ni	ni	ni	ni	ni	ni
	16-Dec-98	ni	ni	ni	ni	ni	ni	ni
	10-Aug-01	<0.0060	<0.010	<0.0050	6.09	22.6	319	0.3
	25-Oct-01	<0.0060	<0.010	<0.0050	5.91	25.9	336	0.0
	14-Jan-02	<0.0060	<0.010	<0.0050	5.72	22.0	350	0.0
	16-Apr-02	<0.0060	<0.010	<0.0050	6.04	25.1	285	1.0
	29-Jul-02	<0.0060	<0.010	<0.0050	6.00	26.9	536	0.0
	30-Oct-02	<0.0060	<0.010	<0.0050	6.35	27.0	460	1.6
	17-Apr-03	<0.0060	na	<0.0050	6.88	24.2	553	0.6
	16-Oct-03	<0.0060	<0.010	<0.0050	6.13	26.3	492	0.8
	13-Apr-04	<0.0060	na	<0.0050	6.20	23.6	373	3.4
	4-Oct-04	0.014	<0.010	<0.0050	6.23	27.4	319	0.6
	14-Dec-04	<0.0060	na	na	6.38	25.1	642	3.0
	13-Apr-05	<0.0060	na	<0.0050	6.35	23.2	463	5.2
	20-Oct-05	<0.0060	<0.010	<0.0050	6.20	27.8	350	0.0
	21-Apr-06	<0.0060	na	<0.0050	5.49	25.2	489	0.0
MW-13	13-Jul-04	0.042	na	<0.0050	6.20	29.5	535	7.8
	5-Oct-04	0.062	<0.010	<0.0050	5.22	30.3	390	0.1
	13-Apr-05	0.023	na	<0.0050	6.1	26.2	409	4.7
	20-Oct-05	0.046	<0.010	<0.0050	5.99	31.2	389	0.0
	21-Apr-06	0.032	na	<0.0050	6.0	27.5	308	5.4
MW-DSA-1	20-Feb-96	ni	ni	ni	ni	ni	ni	ni
	16-Dec-98	ni	ni	ni	ni	ni	ni	ni
	10-Aug-01	<0.0060	<0.010	<0.0050	4.06	23.9	454	2.3
	25-Oct-01	<0.0060	<0.010	<0.0050	3.77	27.3	427	0.3
	14-Jan-02	<0.0060	<0.010	<0.0050	3.71	24.8	468	0.2
	17-Apr-02	<0.0060	<0.010	<0.0050	3.62	26.5	445	1.1
	31-Jul-02	<0.0060	<0.010	<0.0050	3.47	27.3	500	0.1
	30-Oct-02	<0.0060	<0.010	<0.0050	2.80	28.5	518	3.4
	18-Apr-03	<0.0060	na	<0.0050	3.49	26.9	625	0.9
	16-Oct-03	<0.0060	<0.010	<0.0050	3.81	27.9	542	1.4
	13-Apr-04	<0.0060	na	<0.0050	3.77	26.0	726	4.7
	5-Oct-04	<0.0060	<0.010	<0.0050	3.67	29.1	614	4.5
	13-Apr-05	<0.0060	na	<0.0050	3.06	25.5	580	4.5
	20-Oct-05	<0.0060	<0.010	<0.0050	3.56	29.6	474	0.13
	20-Apr-06	<0.0060	na	<0.0050	3.75	27.8	434	0.15

TABLE 2
SUMMARY OF GROUND WATER QUALITY
NORMANDY PARK APARTMENTS

WELL NO.	DATE	ANTIMONY, mg/l	ARSENIC, mg/l	LEAD, mg/l	pH	TEMPERATURE, °C	CONDUCTIVITY, uS	TURBIDITY, NTUs
	MCL	0.006	0.05	0.015				
MW-DSA-2	20-Feb-96	ni	ni	ni	ni	ni	ni	ni
	16-Dec-98	ni	ni	ni	ni	ni	ni	ni
	10-Aug-01	<0.0060	<0.010	<0.0050	4.56	21.8	85.3	0.5
	25-Oct-01	<0.0060	<0.010	<0.0050	5.25	26.1	183	0.3
	15-Jan-02	<0.0060	<0.010	<0.0050	4.54	22.8	144	0.0
	17-Apr-02	<0.0060	<0.010	<0.0050	4.02	24.9	145	2.9
	29-Jul-02	<0.0060	<0.010	<0.0050	3.72	28.0	160	0.1
	30-Oct-02	<0.0060	<0.010	<0.0050	3.51	26.5	215	3.0
	18-Apr-03	<0.0060	na	<0.0050	4.20	24.9	169	0.7
	15-Oct-03	<0.0060	<0.010	<0.0050	5.09	26.0	215	0.9
	13-Apr-04	<0.0060	na	<0.0050	4.18	23.9	202	3.6
	4-Oct-04	<0.0060	<0.010	<0.0050	4.73	26.5	150.2	8.4
	13-Apr-05	<0.0060	na	<0.0050	3.73	26.5	273	5.1
	19-Oct-05	<0.0060	<0.010	<0.0050	3.82	26.7	215	0.0
	20-Apr-06	<0.0060	na	<0.0050	3.99	25.4	275	0.35
PZ-1	20-Feb-96		<0.010	<0.0050				
	15-Dec-98	<0.0060	<0.010	0.035*	7.82	25.4	320	15.3
	10-Aug-01	ns	ns	ns	ns	ns	ns	ns
	8-Nov-01	<0.0060	<0.010	<0.0050	6.96	20.1	118.9	2.2
	14-Jan-02	ns	ns	ns	ns	ns	ns	ns
	17-Apr-02	<0.0060	<0.010	<0.0050	7.46	24.7	220	10.0
	31-Jul-02	ns	ns	ns	ns	ns	ns	ns
	31-Oct-02	<0.0060	<0.010	<0.0050	6.76	25.6	292	3.3
	17-Apr-03	<0.0060	na	<0.0050	7.87	26.7	274	5.2
	15-Oct-03	<0.0060	<0.010	<0.0050	6.70	25.5	291	9.4
	14-Apr-04	<0.0060	na	<0.0050	7.66	25.8	242	7.9
	4-Oct-04	<0.0060	<0.010	<0.0050	7.26	26.2	222	8.9
	13-Apr-05	<0.0060	na	<0.0050	6.80	26.8	236	7.2
	19-Oct-05	<0.0060	<0.010	<0.0050	6.78	27.2	224	8.0
	20-Apr-06	<0.0060	na	<0.0050	7.38	26.9	183	7.9

ns = not sampled - samples are collected semi-annually

ni = not installed

na = not analyzed - arsenic is now analyzed once per year in October

* = concentration of sample collected on March 23, 1999 was <0.0050

** = sample collected from monitor well MW-7

Concentrations in parentheses () are dissolved concentrations for samples having high turbidity

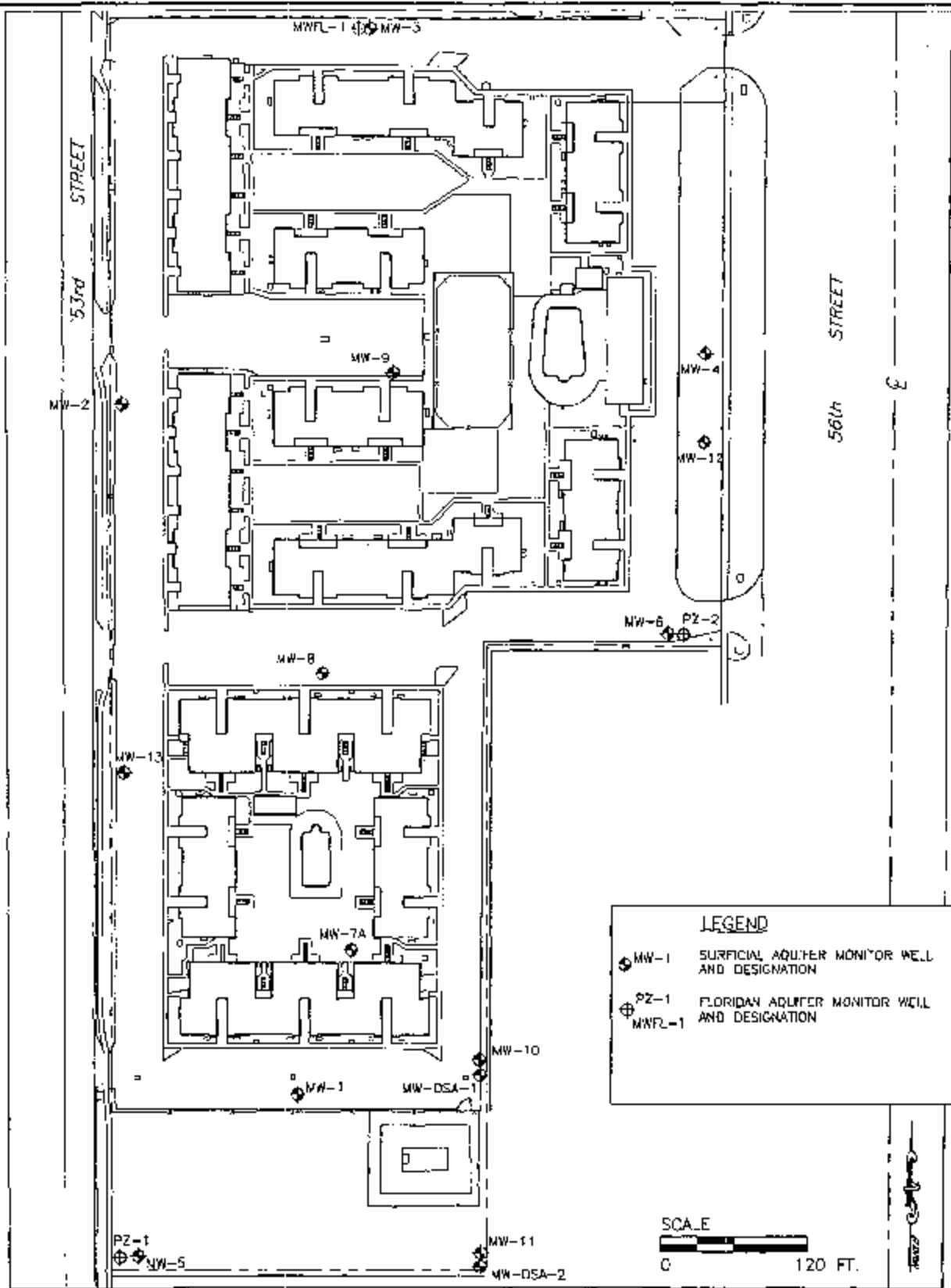
mg/l = milligrams per liter

uS = microSiemens per centimeter

NTU = Nephelometric turbidity unit

°C = degrees Centigrade

MCL = Maximum Contaminant Limit, Rule 62-550, FAC



NORMANDY PARK APARTMENTS

DATE 5/5/06	JOB NO. 2148M	PLATE NO. 1
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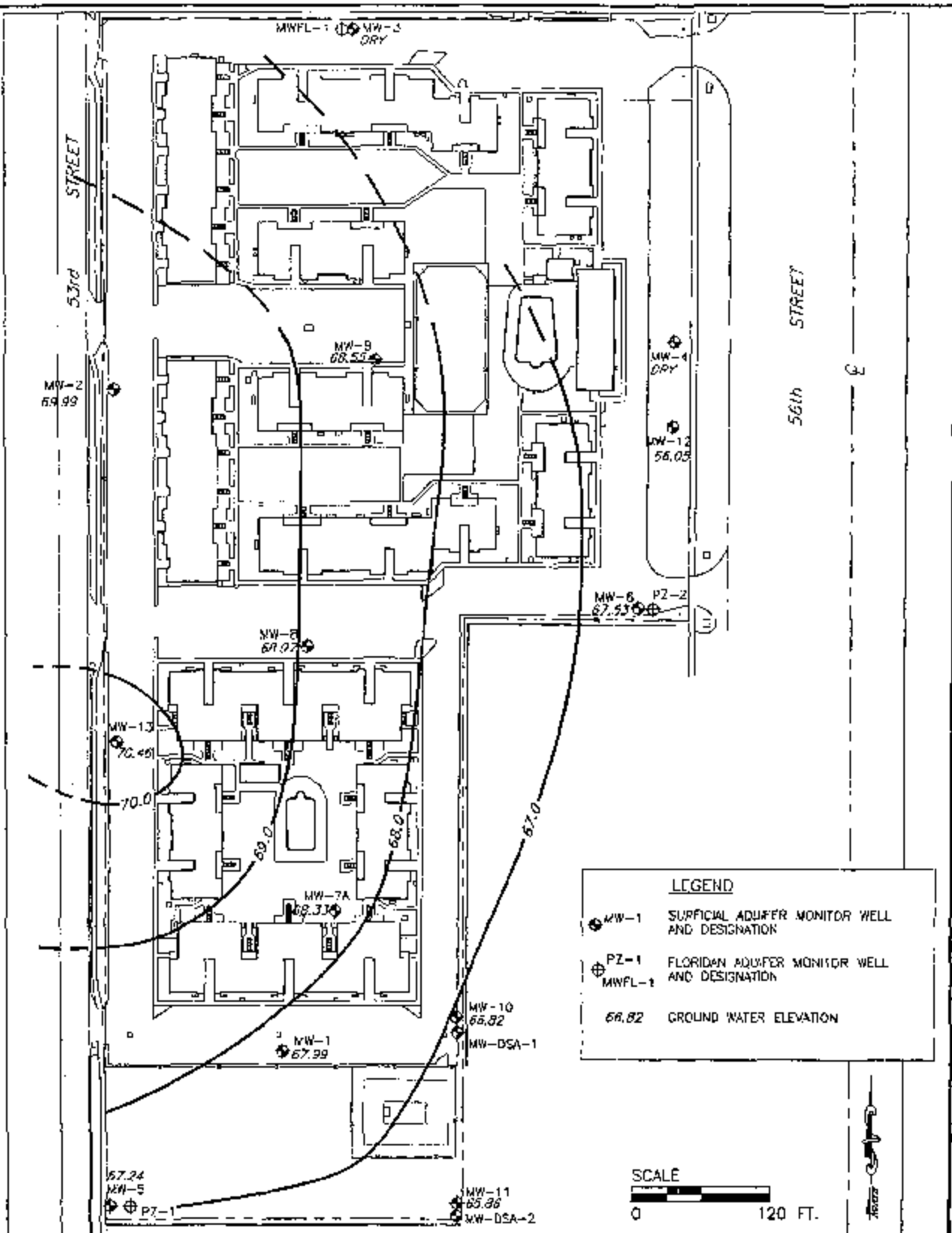


1211 Tech Blvd. Suite 203 Tampa, Florida 33619 (813) 623-6646

SITE LAYOUT

TEMPLE TERRACE, FLORIDA

Prepared by: [Signature] Date: 5/5/06



NORMANDY PARK APARTMENTS

DATE

5/5/06

JOB NO.

2148M

PLATE NO.

2



QORETM
PROPERTY SCIENCES

1211 Tech Blvd. Suite 200 Tampa, Florida 33619 (813) 623-6646

GROUND WATER CONTOURS
SURFICIAL AQUIFER
APRIL 20, 2006

TEMPLE TERRACE, FLORIDA

APPENDIX A

LABORATORY REPORTS & FIELD SAMPLING LOGS



STL

ANALYTICAL REPORT

Job Number: 660-8642-1

Job Description: Normandy Park

For:
QORE Property Science
1211 Tech Boulevard
Suite 200
Tampa, FL 33619

Attention: Mr. Larry Maron

A handwritten signature in black ink, appearing to read "Peggy Penner", written over a horizontal line.

Peggy Penner
Project Manager II
ppenner@stl-inc.com
04/28/2006

Project Manager: Peggy Penner

DOH Certification #: E84282, E87052

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

Severn Trent Laboratories, Inc.

STL Tampa 6712 Benjamin Road Suite 100, Tampa, FL 33634
Tel (813) 885-7427 Fax (813) 885-7049 www.stl-inc.com



METHOD SUMMARY

Client: QORE Property Science

Job Number: 660-8642-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-TAM	SW846 6010B	
Acid Digestion of Waters for Total Recoverable or	STL-TAM		SW846 3005A
Sample Filtration performed in the Field	STL-TAM		FIELD_FLTRD

LAB REFERENCES:

STL-TAM = STL-Tampa

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986
And Its Updates.

SAMPLE SUMMARY

Client: QORE Property Science

Job Number: 660-8642-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-8642-1	PZ-1 042006	Water	04/20/2006 1017	04/24/2006 0815
660-8642-2	MW-11 042006	Water	04/20/2006 1156	04/24/2006 0815
660-8642-3	MW-DSA-2 042006	Water	04/20/2006 1254	04/24/2006 0815
660-8642-4	MW-10 042006	Water	04/20/2006 1417	04/24/2006 0815
660-8642-5	MW-DSA-1 042006	Water	04/20/2006 1458	04/24/2006 0815
660-8642-6	Dupe-1 042006	Water	04/20/2006 0000	04/24/2006 0815
660-8642-7	MW-8 042106	Water	04/21/2006 0812	04/24/2006 0815
660-8642-8	MW-13 042106	Water	04/21/2006 0910	04/24/2006 0815
660-8642-9	MW-12 042106	Water	04/21/2006 1021	04/24/2006 0815
660-8642-10	MW-1 042106	Water	04/20/2006 1159	04/24/2006 0815
660-8642-11	MW-2 042106	Water	04/21/2006 1035	04/24/2006 0815
660-8642-12	MW-5 042006	Water	04/20/2006 1026	04/24/2006 0815
660-8642-13	MW-7A 042106	Water	04/21/2006 0845	04/24/2006 0815
660-8642-14	EB-1	Water	04/21/2006 0930	04/24/2006 0815

EXECUTIVE SUMMARY - Detections

Client: QORE Property Science

Job Number: 660-8642-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-8642-2	MW-11 042006				
<i>Total Recoverable</i>					
Lead		0.0017 I	0.0050	mg/L	6010B
Antimony		0.031	0.0060	mg/L	6010B
660-8642-4	MW-10 042006				
<i>Total Recoverable</i>					
Antimony		0.12	0.0060	mg/L	6010B
660-8642-7	MW-8 042106				
<i>Total Recoverable</i>					
Antimony		0.021	0.0060	mg/L	6010B
660-8642-8	MW-13 042106				
<i>Total Recoverable</i>					
Antimony		0.032	0.0060	mg/L	6010B
660-8642-10	MW-1 042106				
<i>Dissolved</i>					
Lead, Dissolved		0.015	0.0050	mg/L	6010B
Antimony, Dissolved		0.037	0.0060	mg/L	6010B
<i>Total Recoverable</i>					
Lead		0.027	0.0050	mg/L	6010B
Antimony		0.037	0.0060	mg/L	6010B
660-8642-11	MW-2 042106				
<i>Dissolved</i>					
Lead, Dissolved		0.0023 I	0.0050	mg/L	6010B
Antimony, Dissolved		0.012	0.0060	mg/L	6010B
<i>Total Recoverable</i>					
Lead		0.012	0.0050	mg/L	6010B
Antimony		0.0097	0.0060	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: QORE Property Science

Job Number: 660-8642-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-8642-12	MW-5 042006				
<i>Total Recoverable</i>					
Antimony		0.090	0.0060	mg/L	6010B
660-8642-13	MW-7A 042106				
<i>Total Recoverable</i>					
Lead		0.24	0.0050	mg/L	6010B
Antimony		0.030	0.0060	mg/L	6010B

SAMPLE RESULTS

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-11 042006

Lab Sample ID: 660-8642-2

Date Sampled: 04/20/2006 1156

Client Matrix: Water

Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method: 6010B

Analysis Batch: 660-24490

Instrument ID: TJA ICP

Preparation: 3005A

Prep Batch: 660-24347

Lab File ID: 6D28B

Dilution: 1.0

Initial Weight/Volume: 50 mL

Date Analyzed: 04/28/2006 1232

Final Weight/Volume: 50 mL

Date Prepared: 04/26/2006 1312

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0017	I	0.0016	0.0050
Antimony	0.031		0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: PZ-1 042006

Lab Sample ID: 660-8642-1
Client Matrix: Water

Date Sampled: 04/20/2006 1017
Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch:	660-24347	Lab File ID:	6D28B
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1216			Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Antimony	0.0036	U	0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-DSA-2 042006

Lab Sample ID: 660-8642-3

Date Sampled: 04/20/2006 1254

Client Matrix: Water

Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method: 6010B

Analysis Batch: 660-24490

Instrument ID: TJA ICP

Preparation: 3005A

Prep Batch: 660-24347

Lab File ID: 6D28B

Dilution: 1.0

Initial Weight/Volume: 50 mL

Date Analyzed: 04/28/2006 1237

Final Weight/Volume: 50 mL

Date Prepared: 04/26/2006 1312

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Antimony	0.0036	U	0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-10 042006

Lab Sample ID: 660-8642-4
Client Matrix: Water

Date Sampled: 04/20/2006 1417
Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch:	660-24347	Lab File ID:	6D28B
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1242			Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Antimony	0.12		0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-DSA-1 042006

Lab Sample ID: 660-8642-5

Date Sampled: 04/20/2006 1458

Client Matrix: Water

Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method: 6010B

Analysis Batch: 660-24490

Instrument ID: TJA ICP

Preparation: 3005A

Prep Batch: 660-24347

Lab File ID: 6D28B

Dilution: 1.0

Initial Weight/Volume: 50 mL

Date Analyzed: 04/28/2006 1247

Final Weight/Volume: 50 mL

Date Prepared: 04/26/2006 1312

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Antimony	0.0036	U	0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: Dupe-1 042006

Lab Sample ID: 660-8642-6

Date Sampled: 04/20/2006 0000

Client Matrix: Water

Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch:	660-24347	Lab File ID:	6D28B
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1252			Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Antimony	0.0036	U	0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-8 042106

Lab Sample ID: 660-8642-7
Client Matrix: Water

Date Sampled: 04/21/2006 0812
Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

02/26/2006

Method:	6010B	Analysis Batch:	660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch:	660-24347	Lab File ID:	6D28B
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1258			Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Antimony	0.021		0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-13 042106

Lab Sample ID: 660-8642-8

Date Sampled: 04/21/2006 0910

Client Matrix: Water

Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method: 6010B

Analysis Batch: 660-24490

Instrument ID: TJA ICP

Preparation: 3005A

Prep Batch: 660-24347

Lab File ID: 6D28B

Dilution: 1.0

Initial Weight/Volume: 50 mL

Date Analyzed: 04/28/2006 1313

Final Weight/Volume: 50 mL

Date Prepared: 04/26/2006 1312

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Antimony	0.032		0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-12 042106

Lab Sample ID: 660-8642-9

Date Sampled: 04/21/2006 1021

Client Matrix: Water

Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method: 6010B

Analysis Batch: 660-24490

Instrument ID: TJA ICP

Preparation: 3005A

Prep Batch: 660-24347

Lab File ID: 6D28B

Dilution: 1.0

Initial Weight/Volume: 50 mL

Date Analyzed: 04/28/2006 1318

Final Weight/Volume: 50 mL

Date Prepared: 04/26/2006 1312

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Antimony	0.0036	U	0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-1 042106

Lab Sample ID: 660-8642-10

Date Sampled: 04/20/2006 1159

Client Matrix: Water

Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch: 660-24347	Lab File ID:	6D28B
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1323		Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.027		0.0016	0.0050
Antimony	0.037		0.0036	0.0060

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch: 660-24347	Lab File ID:	6D28B
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1328		Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead, Dissolved	0.015		0.0016	0.0050
Antimony, Dissolved	0.037		0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-2 042106

Lab Sample ID: 660-8642-11
Client Matrix: WaterDate Sampled: 04/21/2006 1035
Date Received: 04/24/2006 0815**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable**

Method:	6010B	Analysis Batch: 660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch: 660-24347	Lab File ID:	6D28B
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1334		Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.012		0.0016	0.0050
Antimony	0.0097		0.0036	0.0060

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch: 660-24347	Lab File ID:	6D28B
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1339		Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead, Dissolved	0.0023	I	0.0016	0.0050
Antimony, Dissolved	0.012		0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-5 042006

Lab Sample ID: 660-8642-12

Date Sampled: 04/20/2006 1026

Client Matrix: Water

Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch:	660-24347	Lab File ID:	6D28B
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1344			Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Antimony	0.090		0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: MW-7A 042106

Lab Sample ID: 660-8642-13
Client Matrix: WaterDate Sampled: 04/21/2006 0845
Date Received: 04/24/2006 0815**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable**

Method:	6010B	Analysis Batch:	660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch:	660-24347	Lab File ID:	6D28B
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1349			Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.24		0.0016	0.0050
Antimony	0.030		0.0036	0.0060

Analytical Data

Client: QORE Property Science

Job Number: 660-8642-1

Client Sample ID: EB-1

Lab Sample ID: 660-8642-14

Date Sampled: 04/21/2006 0930

Client Matrix: Water

Date Received: 04/24/2006 0815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

mic Emiss

Method:	6010B	Analysis Batch:	660-24490	Instrument ID:	TJA ICP
Preparation:	3005A	Prep Batch:	660-24347	Lab File ID:	6D28B
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/28/2006 1354			Final Weight/Volume:	50 mL
Date Prepared:	04/26/2006 1312				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Antimony	0.0036	U	0.0036	0.0060

DATA REPORTING QUALIFIERS

Client: QORE Property Science

Job Number: 660-8642-1

Lab Section	Qualifier	Description
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

QUALITY CONTROL RESULTS

Quality Control Results

Client: QORE Property Science

Job Number: 660-8642-1

Method Blank - Batch: 660-24347

Lab Sample ID: MB 660-24347/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/28/2006 1145
 Date Prepared: 04/26/2006 1312

Analysis Batch: 660-24490
 Prep Batch: 660-24347
 Units: mg/L

Method: 6010B
Preparation: 3005A
Total Recoverable

Instrument ID: TJA ICP
 Lab File ID: 6D28B
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Lead	0.0016	U	0.0016	0.0050
Lead, Dissolved	0.0016	U	0.0016	0.0050
Antimony	0.0036	U	0.0036	0.0060
Antimony, Dissolved	0.0036	U	0.0036	0.0060

Laboratory Control/

Laboratory Control Duplicate Recovery Report - Batch: 660-24347

Method: 6010B
Preparation: 3005A
Total Recoverable

LCS Lab Sample ID: LCS 660-24347/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/28/2006 1151
 Date Prepared: 04/26/2006 1312

Analysis Batch: 660-24490
 Prep Batch: 660-24347
 Units: mg/L

Instrument ID: TJA ICP
 Lab File ID: 6D28B
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-24347/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/28/2006 1156
 Date Prepared: 04/26/2006 1312

Analysis Batch: 660-24490
 Prep Batch: 660-24347
 Units: mg/L

Instrument ID: TJA ICP
 Lab File ID: 6D28B
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	104	102	75 - 125	3	20		
Lead, Dissolved	104	102	75 - 125	3	20		
Antimony	94	92	75 - 125	2	20		
Antimony, Dissolved	94	92	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: QORE Property Science

Job Number: 660-8642-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-24347**

**Method: 6010B
Preparation: 3005A
Total Recoverable**

MS Lab Sample ID: 660-8642-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2006 1222
Date Prepared: 04/26/2006 1312

Analysis Batch: 660-24490
Prep Batch: 660-24347

Instrument ID: TJA ICP
Lab File ID: 6D28B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-8642-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2006 1227
Date Prepared: 04/26/2006 1312

Analysis Batch: 660-24490
Prep Batch: 660-24347

Instrument ID: TJA ICP
Lab File ID: 6D28B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	100	101	75 - 125	1	20		
Lead, Dissolved	100	101	75 - 125	1	20		
Antimony	92	91	75 - 125	1	20		
Antimony, Dissolved	92	91	75 - 125	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
TRENT

STL

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

☐ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE Normandy Park		PROJECT NO. 2148M		PROJECT LOCATION (STATE) FL		MATRIX TYPE		REQUIRED ANALYSIS										PAGE 1		PAGE 2	
SAMPLER'S SIGNATURE B.M. Quinn		P.O. NUMBER		CONTRACT NO.		COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT,...)		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> HW03 Sb, Pb HW03 Sb HW03 Filtered Absorb </div> <div style="width: 50%;"></div> </div>										STANDARD REPORT DELIVERY		DATE DUE	
CLIENT (SITE) PM Larry Maron		CLIENT PHONE 623-6646		CLIENT FAX 623-3795														EXPEDITED REPORT DELIVERY (SURCHARGE)		DATE DUE	
CLIENT NAME QORE		CLIENT E-MAIL																			
CLIENT ADDRESS Tampa FL 33619												NUMBER OF COOLERS SUBMITTED PER SHIPMENT:									
COMPANY CONTRACTING THIS WORK (if applicable)																					
SAMPLE		SAMPLE IDENTIFICATION				NUMBER OF CONTAINERS SUBMITTED										REMARKS					
DATE	TIME																				
4/20/06	1017	PZ-1 042006				1															
	1156	MW-11 042006				1															
	1254	MW-DSA-2 042006				1															
	1417	MW-10 042006				1															
	1458	MW-DSA-1 042006				1															
	—	Dupe-1				1															
4/21/06	0812	MW-8 042106				1															
	0910	MW-13 042106				1															
	1021	MW-12 042106				1															
4/20/06	1159	MW-1 042006				1															
4/21/06	1035	MW-2 042106				1															
RELINQUISHED BY: (SIGNATURE) B.M. Quinn		DATE 4/19/06	TIME 1700	RELINQUISHED BY: (SIGNATURE) B.M. Quinn QORE		DATE 4/21/06	TIME 1630	RELINQUISHED BY: (SIGNATURE) Wally Sall		DATE 4-24-06	TIME 0815										
RECEIVED BY: (SIGNATURE) B.M. Quinn QORE		DATE 4/19/06	TIME —	RECEIVED BY: (SIGNATURE) Wally Sall STL		DATE 4-24-06	TIME 0930	RECEIVED BY: (SIGNATURE)		DATE	TIME										
LABORATORY USE ONLY																					
RECEIVED FOR LABORATORY BY: (SIGNATURE) Wally Sall		DATE 4-24-06	TIME 0815	CUSTODY IN CHARGE YES <input type="radio"/> NO <input type="radio"/>		CUSTODY SEAL NO.		STL TAMPA LOG NO. 8642		LABORATORY REMARKS NO ICE											

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
TRENT

STL

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

☐ Alternate Laboratory Name/Location

Phone:
Fax:

[illegible]

LOGIN SAMPLE RECEIPT CHECK LIST

Client: QORE Property Science

Job Number: 660-8642-1

Login Number: 8642

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	metal samples
Cooler Temperature is acceptable.	NA	
Cooler Temperature is recorded.	NA	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



WATER LEVEL DATA

CLIENT GCR

DATE 4/20/06

JOB NO. 2148M

BY BTM

LOCATION Normandy Park

MEASURING DEVICE slope

DATUM _____

WELL NUMBER	TOP OF CASING ELEVATION ()	DEPTH TO WATER ()	WATER ELEVATION ()	TIME	REMARKS
MW-1		8.37		0729	
MW-10		9.57		0732	
MW DSA-1		9.72		0733	
MW-7A		9.02		0738	
MW-6		10.01		0743	
PZ-2		57.28		0745	
MW-12		11.81		0748	
MW-4		Dry		0751	
MW-3		Dry		0757	
FE-MW FL-1		59.70		0757	
MW-9		9.22		0801	
MW-2		8.04		0805	
MW-13		Dry		0809	
PZ-1		54.86		0833	
MW-5		6.95		0835	
MW-11		10.20		1136	

MW DSA-2

10.20

1230

COMMENTS

MW-8

9.04

1522

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKER/MODEL#) Lowe Hc 2020 INSTRUMENT # 21856

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☒ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER

STANDARDS: [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 41 nTm

Standard B 8.20 --

Standard C _____

[illegible]

INSTRUMENT (MAKER/MODEL#) Digital INSTRUMENT # 101771

☒ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

Standard A NIST Traceable

Standard C _____

[illegible]

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKER/MODEL#) YISS INSTRUMENT # OSL/283

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP☐ TURBIDITY ☐ RESIDUAL Cl ☒ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Sea level

Standard B Zero 0.2

Standard C _____

[illegible]

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKER/MODEL#) Colt Partner INSTRUMENT # 39639

PARAMETER: *[check only one]*

☐ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 15-00 MS

Standard B 84.0 us

Standard C _____

[illegible]

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKER/MODEL#) Orion 230A INSTRUMENT # 004948

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 7.00

Standard B 4.01

Standard C 10.00 D = 1.68

[illegible]

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKER/MODEL#) VS155 INSTRUMENT # 96B 45391

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☒ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A SEALED

Standard B FeO O₂

Standard C _____

[illegible]

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKER/MODEL#) DIGITAL INSTRUMENT # 191788

PARAMETER: *[check only one]*

☒ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl₂ ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A NIST TRACEABLE

Standard B

Standard C

[illegible]

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKER/MODEL#) LANOTTE 2020 INSTRUMENT # 58481805

PARAMETER: *[check only one]*

UNIT # 26856

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP☒ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 40.1 NTU

Standard B 800 NTH

Standard C _____

[illegible]

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKER/MODEL#) 2300A

INSTRUMENT # 007431

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl₂ ☐ DO ☐ OTHER

STANDARDS: [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 7.06 pH

Standard B 4.01 pH

Standard C 16.66 pH

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYRE (INIT, CONT)	SAMPLER INITIALS
060420	0903	A	7.00	7.92 ± 2.00	—	YES	INIT	KR
"	"	B	4.01	5.14 ± 4.01	—	"	"	KR
"	"	C	10.00	14.00	0.04	"	CONT	KR
"	1047	A	7.00	7.03	0.03	"	"	KR
"	1222	B	4.01	4.09	0.02	"	"	KR
060421	0811	C	10.00	10.04	0.04	"	"	KR
"	0905	A	7.05	7.05	0.05	"	"	KR
"	1034	B	4.01	4.04	0.03	"	"	KR

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKER/MODEL#) 1982-00 INSTRUMENT # 39651

PARAMETER: *[check only one]*

☐ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 15.00 ms

Standard B Ed. & us

Standard C _____

[illegible]

GROUND WATER SAMPLING LOG

SITE NAME: <u>NORMANDY PARK</u>		SITE LOCATION: <u>TEMP TCR 72</u>	
WELL NO: <u>MW1</u>	SAMPLE ID: <u>MW1042006</u>	DATE: <u>20 Apr. 06</u>	

PURGING DATA

WELL DIAMETER (inches): 2.5		TUBING DIAMETER (inches): .25		WELL SCREEN INTERVAL DEPTH: 14 feet to 9 feet		STATIC DEPTH TO WATER (feet): 8.37		PURGE PUMP TYPE OR BAILER: APP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) 5.62 we .9021 vol = 14 feet - 8.37 feet X .16 gallons/foot =											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.54			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.4			PURGING INITIATED AT: 1131		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1144	1.0	1.0		8.42	6.07	27.4	205µs	2.89	55	NA	NA
1147	2.25	1.25		8.42	5.91	27.3	145µs	3.21	40	NA	NA
1150	.25	1.50		8.42	5.89	27.3	145µs	3.19	36	NA	NA
1153	.25	1.75		8.42	5.89	27.3	142µs	3.02	28	NA	NA
1156	.25	2.0		8.42	5.88	27.3	140µs	3.17	23	NA	NA
SAMPLE											
1159	.25	2.25		8.42	6.07	27.3	193µs	3.27	15	NA	NA
WELL CAPACITY (Gallons Per Foot): .75" = 0.002; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: CORE	SAMPLER(S) SIGNATURES: <i>[Signature]</i>	SAMPLING INITIATED AT 7/159	SAMPLING ENDED AT 7/16					
PUMP OR TUBING DEPTH IN WELL (feet): 12 ft	SAMPLE PUMP FLOW RATE (mL per minute) FIELD-FILTERED: [X] FILTER SIZE: 1 µm Filtration Equipment type:	TUBING MATERIAL CODE: PP	Duplicate: Y [X]					
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	1	BP	1	HNO ₃	—	~6	J.F.	PP
REMARKS: Filtered : sample								
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; PP = Peristaltic Pump; O = Other (Specify)								

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)



GROUND WATER SAMPLING LOG

SITE NAME: <u>Normandy Park</u>		SITE LOCATION: <u>Tampa FL</u>	
WELL NO: <u>MW-2</u>	SAMPLE ID: <u>MW-2 042106</u>	DATE: <u>4/21/06</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>10</u> feet to <u>5</u> feet	STATIC DEPTH TO WATER (feet): <u>7.96</u>	PURGE PUMP TYPE, OR BAILER: <u>Per.</u>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) <u>2 = WC</u> <u>.32 = 1 vol</u> <u>10.00</u> feet - <u>7.96</u> feet X <u>.16</u> gallons/foot =											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <u>2 = 1 vol</u> = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>	PURGING INITIATED AT: <u>958</u>	PURGING ENDED AT: <u>1027</u>	TOTAL VOLUME PURGED (gallons): <u>3.25</u>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1004	.50	.50	.08	7.95	5.94	26.6	281 µS	.74	2.4	NO	NO
1007	.25	.75	.08	8.02	5.77	26.7	276 µS	.37	4.8	--	--
1010	.25	1.00	.08	7.62	5.76	26.8	215 µS	.28	14	NO	YES
1013	.25	1.25	.08	7.63	5.77	26.8	158.1 µS	.25	23	NO	--
1021	1.25	2.50	.15	7.72	5.71	26.8	87.1 µS	.16	33	milky	--
1024	.50	3.00	.16	7.66	5.70	26.8	84.5 µS	.16	35	--	--
1027	.25	3.25	.08	7.67	5.72	26.9	87.6 µS	.15	35	--	--
Sample											
1038				7.66	5.74	26.9	85.5 µS	.15	35	milky	YES
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>QORE</u>		SAMPLER(S) SIGNATURES: <u>B. M. Hem</u>		SAMPLING INITIATED AT: <u>1035</u>	SAMPLING ENDED AT: <u>1038</u>			
PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>		SAMPLE PUMP FLOW RATE (mL per minute): <u>.16</u>		TUBING MATERIAL CODE: <u>T.S</u>				
FIELD DECONTAMINATION: <u>Y</u> <input checked="" type="radio"/>		FIELD FILTERED: <input checked="" type="radio"/> N FILTER SIZE: <u>1</u> µm		DUPLICATE: <u>Y</u> <input checked="" type="radio"/>				
Filtration Equipment Type:								
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	1	PP	250mL	HNO3	NA	2	56, Pb	APP
	1	--	--	--	--	2	Filtered	--
REMARKS: <u>1.6 = 5 Vol</u> <u>Filtered = 1.3 NTU</u>								
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; D = Other (Specify)								
SAMPLING/PURGING: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump								
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)								

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)



GROUND WATER SAMPLING LOG

SITE NAME: NORMANDY PARK		SITE LOCATION: ALBUQUERQUE TAMPA FL	
WELL NO: MW5	SAMPLE ID: MW5-042006	DATE: 20 Jun 06	

PURGING DATA

WELL DIAMETER (inches):		TUBING DIAMETER (inches):		WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER:			
2"		.25"		10 feet to 5 feet		6.95		PERI			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) gallons											
$WC = 3.05$ $LWV = .48$ $(1\phi.00 \text{ feet} - 6.95 \text{ feet}) \times .16$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):			FINAL PUMP OR TUBING DEPTH IN WELL (feet):			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
10 ft			10 ft			1003		1023		2.0	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1017	.5	.5	.03	7.00	6.06	24.3	277uc	1.24	2.2	NA	NA
1020	.5	1.0	.10	7.00	5.99	24.3	275us	1.27	1.7	NA	NA
1023	.5	1.5	.16	7.00	5.90	24.3	273us	1.38	1.6	NA	NA
SAMPLE											
1024	.5	2.0	.16	7.00	5.86	24.3	275us	1.36	1.4	NA	NA
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: QORE				SAMPLER(S) SIGNATURES: <i>[Signature]</i>			SAMPLING INITIATED AT: 1026		SAMPLING ENDED AT: 1028		
PUMP OR TUBING DEPTH IN WELL (feet): 10' St				SAMPLE PUMP FLOW RATE (mL per minute):			TUBING MATERIAL CODE: PP				
FIELD DECONTAMINATION: Y (N)				FIELD-FILTERED: Y (N)			FILTER SIZE: _____ μm		DUPLICATE: Y (N)		
FIELD Filtration Equipment Type:											
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PP	25 mL	HNO₃	—	< 2.0	SP		APP		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

GROUND WATER SAMPLING LOG

SITE NAME: NORMANDY PARK		SITE LOCATION: 0. TEMPLE TER 7L	
WELL NO: MW-7A	SAMPLE ID: MW7A042/06		DATE: 21 Apr / 06

PURGING DATA

WELL DIAMETER (inches):	2.5"	TUBING DIAMETER (inches):	2.5"	WELL SCREEN INTERVAL DEPTH: 18 feet to 13 feet	STATIC DEPTH TO WATER (feet): 9.02	PURGE PUMP TYPE OR BAILER: VPP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) = (feet - feet) X gallons/foot =											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) .52 = 3 EV = .0076 gallons + (.0076 gallons/foot X 16 feet) + .13 gallons = .17 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	16'	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	16'	PURGING INITIATED AT: 1819	PURGING ENDED AT: 1845	TOTAL VOLUME PURGED (gallons): 1.5					
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1836	1.0	1.0	0.05	9.12	6.35	23.9	502us	3.44	0.85	NA	NA
1839	0.25	1.25	0.08	9.12	6.39	23.9	503us	3.24	0.65	NA	NA
1842	.25	1.5	0.08	9.12	6.41	23.9	488us	3.44	0.67	NA	NA
SAMPLE											
1845	.25	1.75	0.08	9.12	6.42	23.9	494	3.48	0.40	NA	NA
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal/ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

[illegible]

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table F5 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

GROUND WATER SAMPLING LOG

SITE NAME: <i>Normandy Park</i>		SITE LOCATION: <i>Tampa FL</i>	
WELL NO: <i>MW-10</i>	SAMPLE ID: <i>MW-10 042006</i>		DATE: <i>4/20/06</i>

PURGING DATA

WELL DIAMETER (inches): <u>7</u>		TUBING DIAMETER (inches): <u>1/4</u>		WELL SCREEN INTERVAL DEPTH: <u>17</u> feet to <u>12</u> feet		STATIC DEPTH TO WATER (feet): <u>9.57</u>		PURGE RAMP TYPE: <u>OR BAILER Per.</u>			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) gallons = () feet – (feet) X gallons/foot =											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
<u>.51</u> = 3 EV = <u>.0026</u> gallons + (<u>.0026</u> gallons/foot X <u>15</u> feet) + <u>.13</u> gallons = <u>.17</u> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>15</u>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>15</u>		PURGING INITIATED AT: <u>1359</u>		PURGING ENDED AT: <u>1414</u>		TOTAL VOLUME PURGED (gallons): <u>1.25</u>			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1405	.50	.50	.08	9.66	6.38	28.4	226µs	.39	14	no	no
1408	.75	.75	.08	9.66	6.40	28.4	249µs	.43	8.4	--	--
1411	.25	1.00	.08	9.66	6.44	28.4	254µs	.44	5.7	--	--
1414	.25	1.25	.08	9.66	6.48	28.4	257µs	.40	3.8	--	--
Sample											
1417				9.67	6.52	28.4	261µs	.39	3.5	no	no
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

[illegible]

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; 8 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)



GROUND WATER SAMPLING LOG

SITE NAME: <u>Normandy Park</u>		SITE LOCATION: <u>Tampa FL.</u>	
WELL NO: <u>MW-11</u>	SAMPLE ID: <u>MW-11 042006</u>	DATE: <u>4/20/06</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>16</u> feet to <u>11</u> feet	STATIC DEPTH TO WATER (feet): <u>10.20</u>	PURGE PUMP TYPE OR BAILER: <u>Per.</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <u>49 = 3 EV</u> = <u>.0026</u> gallons + (<u>.0026</u> gallons/foot X <u>13</u> feet) + <u>.13</u> gallons = <u>.16</u> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>13</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>13</u>	PURGING INITIATED AT: <u>1138</u>	PURGING ENDED AT: <u>1153</u>	TOTAL VOLUME PURGED (gallons): <u>1.25</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1144	.50	.50	.08	10.33	6.23	25.4	249µs	1.41	11	NO	NO
1147	.25	.75	.08	10.33	6.21	25.3	237µs	1.21	5.7	--	--
1150	.25	1.00	.08	10.33	6.24	25.3	234µs	1.14	3.5	--	--
1153	.25	1.25	.08	10.33	6.28	25.3	241µs	1.09	2.6	--	--
Sample											
1156				10.33	6.29	25.3	236µs	1.10	1.6	NO	NO

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>QORE</u>		SAMPLER(S) SIGNATURES: <u>B. M. Henin</u>		SAMPLING INITIATED AT: <u>1156</u>	SAMPLING ENDED AT: <u>1200</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>13</u>		SAMPLE PUMP FLOW RATE (mL per minute): <u>.08</u>		TUBING MATERIAL CODE: <u>T, S</u>	
FIELD DECONTAMINATION: <u>Y</u> <u>(N)</u>		FIELD-FILTERED: <u>Y</u> <u>(N)</u> FILTER SIZE: <u> </u> µm		DUPLICATE: <u>Y</u> <u>(N)</u>	
Filtration Equipment Type: <u> </u>					

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	<u>1</u>	<u>PP</u>	<u>250mL</u>	<u>HNO3</u>	<u>NA</u>	<u>2</u>	<u>Sb, Pb</u>	<u>APP</u>

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)



SITE NAME: NORMANBY PK		SITE LOCATION: TRUMP TER	
WELL NO: MW12	SAMPLE ID: MW12#2106		DATE: 21 APR 06

WELL DIAMETER (inches):	2.91	TUBING DIAMETER (inches):	2.51	WELL SCREEN INTERVAL DEPTH: 15 feet to 18 feet	STATIC DEPTH TO WATER (feet): 11.85	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY						
(only fill out if applicable)						
gallons	WC = 3.15	1 WV = .5	32 WV = 1.5	15 feet -	11.85 feet	X .16 gallons/foot =
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME						
(only fill out if applicable)						
= gallons + (gallons/foot X feet) + gallons = gallons						

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

[illegible]

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME: <i>Normandy Park</i>		SITE LOCATION: <i>Tampa FL.</i>	
WELL NO: <i>MW-13</i>	SAMPLE ID: <i>MW-13 042104</i>		DATE: <i>4/21/04</i>

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)



SITE NAME: <i>Normandy Park</i>		SITE LOCATION: <i>Tampa FL.</i>	
WELL NO: <i>MW DSA-1</i>	SAMPLE ID: <i>MW-DSA-1 042006</i>		DATE: <i>4/20/06</i>

WELL	TUBING	WELL SCREEN INTERVAL		STATIC DEPTH		PURGE PUMP TYPE,					
DIAMETER (inches): 7	DIAMETER (inches): 14	DEPTH: 26 feet to 16 feet	TO WATER (feet): 9-72	OR BAILER: Per.							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) gallons = (feet — feet) X gallons/foot =											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
<div style="float: left; width: 20%;">.56 = 3 EV</div> <div style="float: right; width: 20%; text-align: center;">= .0026 gallons + (.0026 gallons/foot X 21 feet) + .13 gallons = .18 gallons</div>											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21		PURGING INITIATED AT: 1441		PURGING ENDED AT: 1455		TOTAL VOLUME PURGED (gallons): 1.25			
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. ($\mu\text{mhos/cm}$ or $\mu\text{S/cm}$)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1449	.75	.75	.09	10.86	3.70	27.6	439 μs	.23	.15	NO	NO
1452	.25	1.00	.08	10.91	3.71	27.8	436 μs	.21	.10	--	--
1455	.25	1.25	.08	10.92	3.73	27.7	435 μs	.19	.10	--	-
Sample											
1458				10.91	3.75	27.8	434 μs	.19	.15	NO	NO
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0005; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

[illegible]

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

GROUND WATER SAMPLING LOG

SITE NAME: <i>Normandy Park</i>		SITE LOCATION: <i>Tampa FL</i>	
WELL NO: <i>MW-DSA-2</i>	SAMPLE ID: <i>MW-DSA-2 042006</i>	DATE: <i>4/20/06</i>	

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

Dupe-1 here

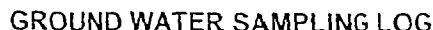
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)



PURGING DATA

SAMPLING DATA

REMARKS:

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)



GROUND WATER SAMPLING LOG

SITE NAME: <i>Normandy Park</i>	SITE LOCATION: <i>Tampa FL</i>	
WELL NO: <i>PZ-1</i>	SAMPLE ID: <i>PZ-1 042006</i>	DATE: <i>4/20/06</i>

PURGING DATA

WELL DIAMETER (inches): <i>2</i>	TUBING DIAMETER (inches): <i>5/8</i>	WELL SCREEN INTERVAL DEPTH: <i>110</i> feet to <i>90</i> feet	STATIC DEPTH TO WATER (feet): <i>54.86</i>	PURGE PUMP TYPE OR BAILER: <i>Groundfos</i>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable gallons = (<i>110</i> feet - <i>54.86</i> feet) X <i>100</i> gallons/foot = <i>55.14</i> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <i>1.1 = 1 vol</i> = <i>.0026</i> gallons + (<i>.0026</i> gallons/foot X <i>100</i> feet) + <i>.13</i> gallons = <i>.39</i> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <i>100</i>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <i>100</i>	PURGING INITIATED AT: <i>1006</i>	PURGING ENDED AT: <i>1014</i>	TOTAL VOLUME PURGED (gallons): <i>3.75</i>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<i>1008</i>	<i>1.25</i>	<i>1.25</i>	<i>.62</i>	<i>55.32</i>	<i>7.20</i>	<i>26.7</i>	<i>183.9 µS</i>	<i>1.17</i>	<i>2.5</i>	<i>Tan</i>	<i>NO</i>
<i>1011</i>	<i>1.25</i>	<i>2.50</i>	<i>.41</i>	<i>55.32</i>	<i>7.25</i>	<i>26.9</i>	<i>181.4 µS</i>	<i>.96</i>	<i>2.1</i>	<i>--</i>	<i>--</i>
<i>1014</i>	<i>1.25</i>	<i>3.75</i>	<i>.41</i>	<i>55.33</i>	<i>7.28</i>	<i>26.9</i>	<i>182.4 µS</i>	<i>.90</i>	<i>4.1</i>	<i>--</i>	<i>--</i>
<i>Sample</i>											
<i>1017</i>				<i>55.40</i>	<i>7.38</i>	<i>26.9</i>	<i>183.0 µS</i>	<i>.40</i>	<i>7.9</i>	<i>Tan</i>	<i>NO</i>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal/FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>QORE</i>				SAMPLER(S) SIGNATURES: <i>B.M. Blum</i>				SAMPLING INITIATED AT: <i>1017</i>		SAMPLING ENDED AT: <i>1017</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>100</i>				SAMPLE PUMP FLOW RATE (mL per minute): <i>.41</i>				TUBING MATERIAL CODE: <i>PE</i>			
FIELD DECONTAMINATION: <input checked="" type="radio"/> Y <input type="radio"/> N				FIELD-FILTERED: <input checked="" type="radio"/> Y <input type="radio"/> N Filtration Equipment Type: _____				FILTER SIZE: _____ µm		DUPLICATE: <input type="radio"/> Y <input checked="" type="radio"/> N	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	<i>1</i>	<i>PP</i>	<i>250 mL</i>	<i>HNO3</i>	<i>NA</i>	<i>2</i>	<i>56, Pb</i>		<i>ESP</i>		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

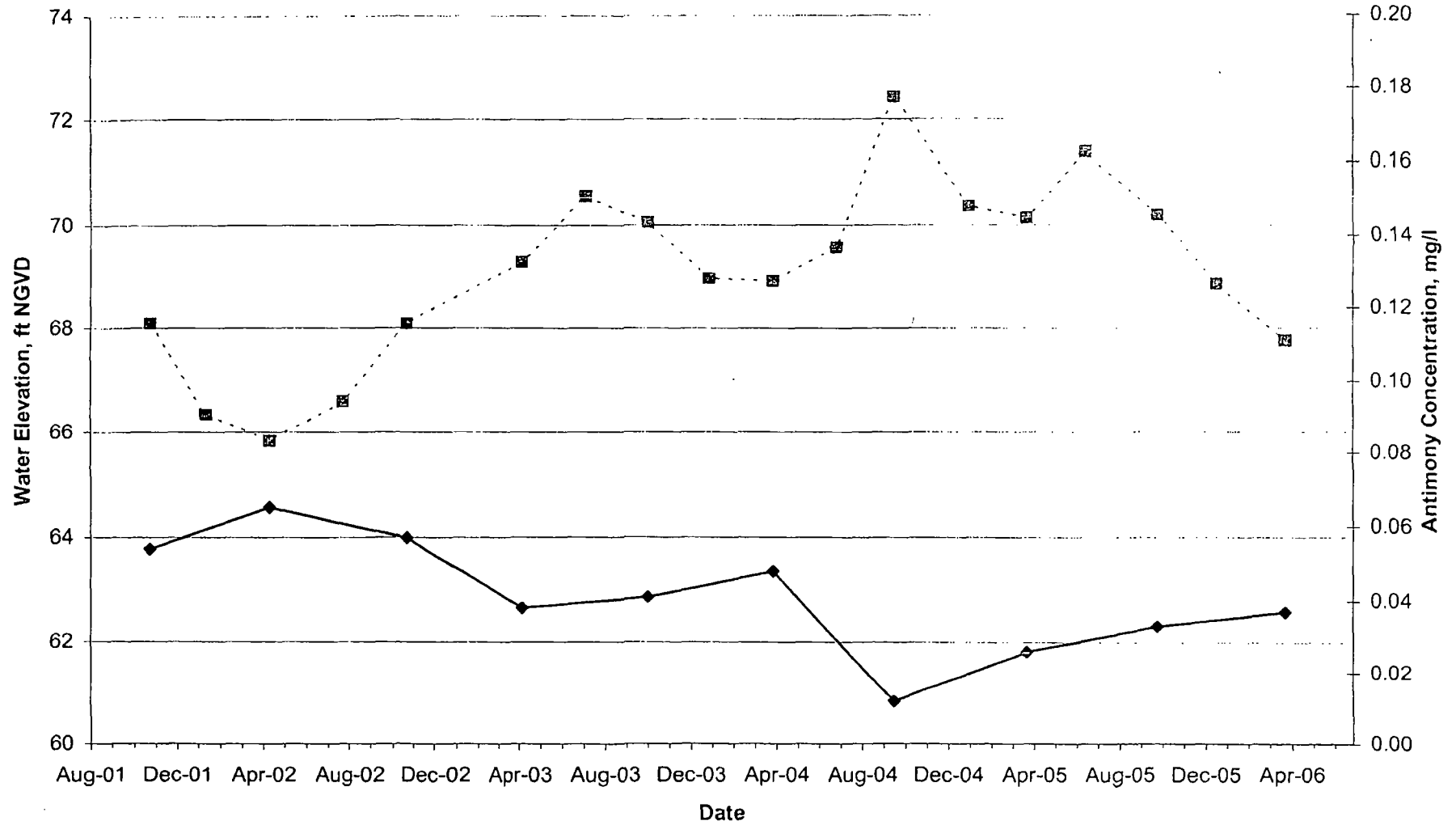
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

APPENDIX B

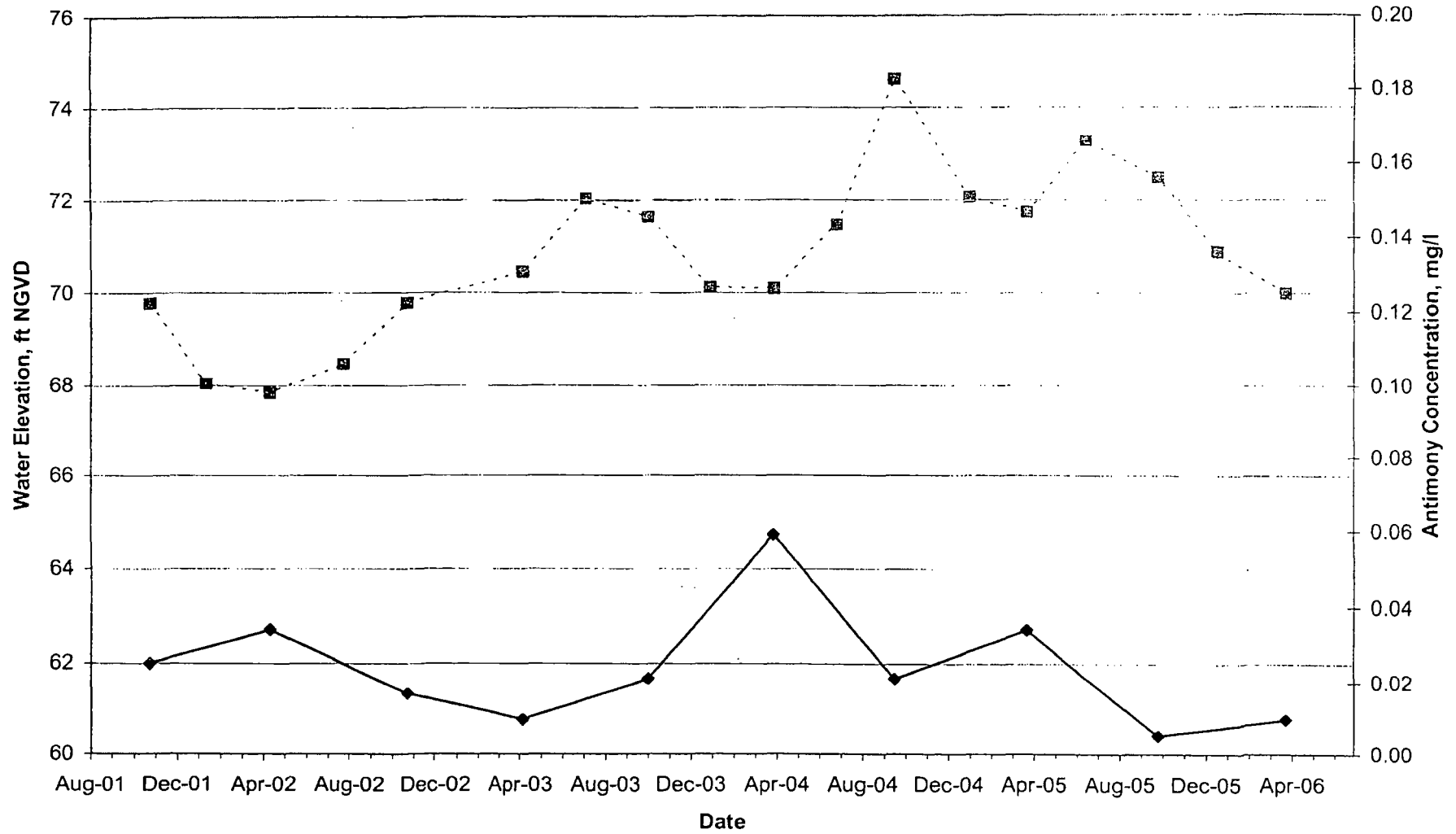
ANTIMONY CONCENTRATION VS WATER ELEVATION PLOTS

Well MW-1
Antimony Concentration vs Water Elevation



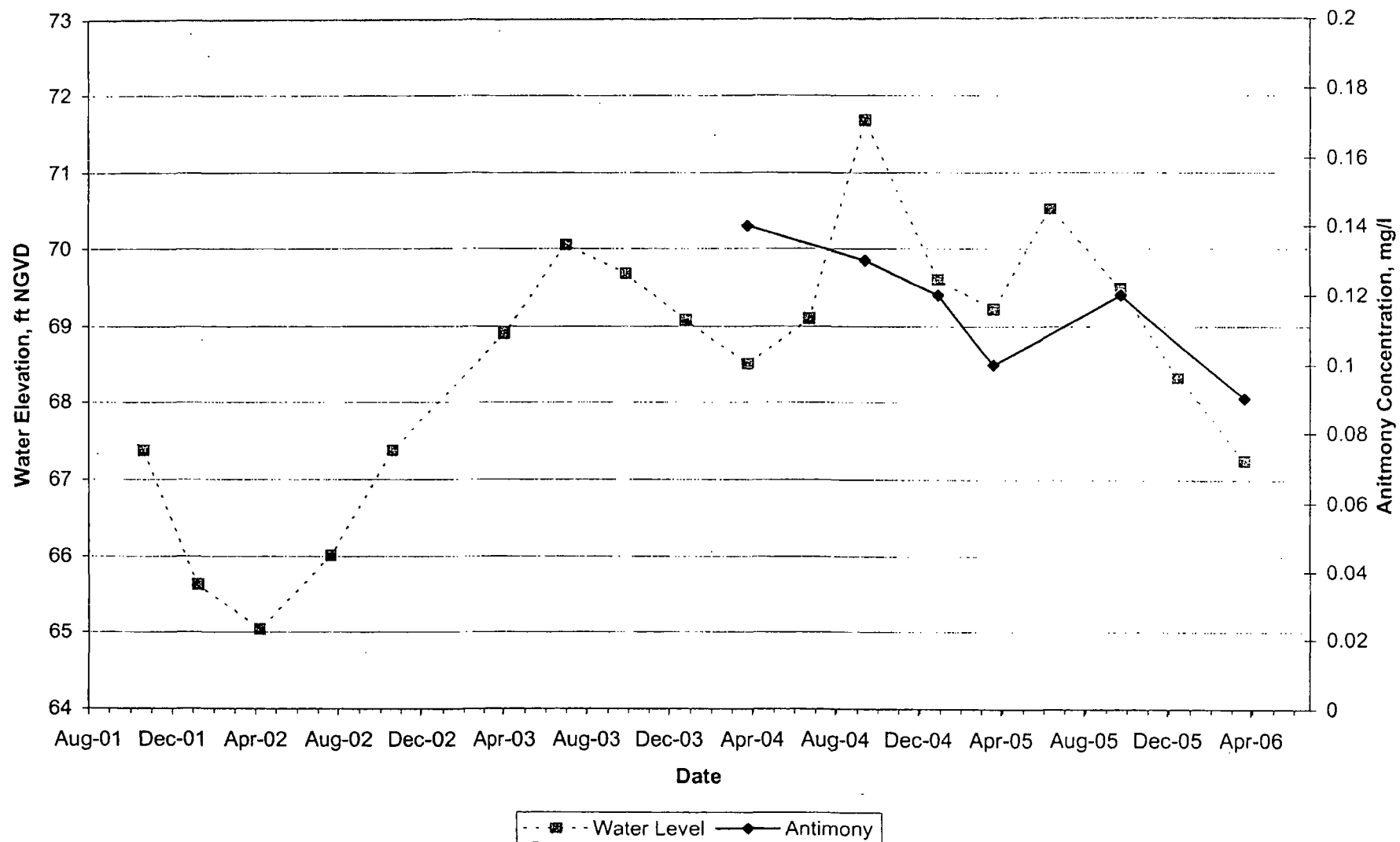
--■-- Water Level —◆— Anitmony

Well MW-2
Antimony Concentration vs Water Elevation

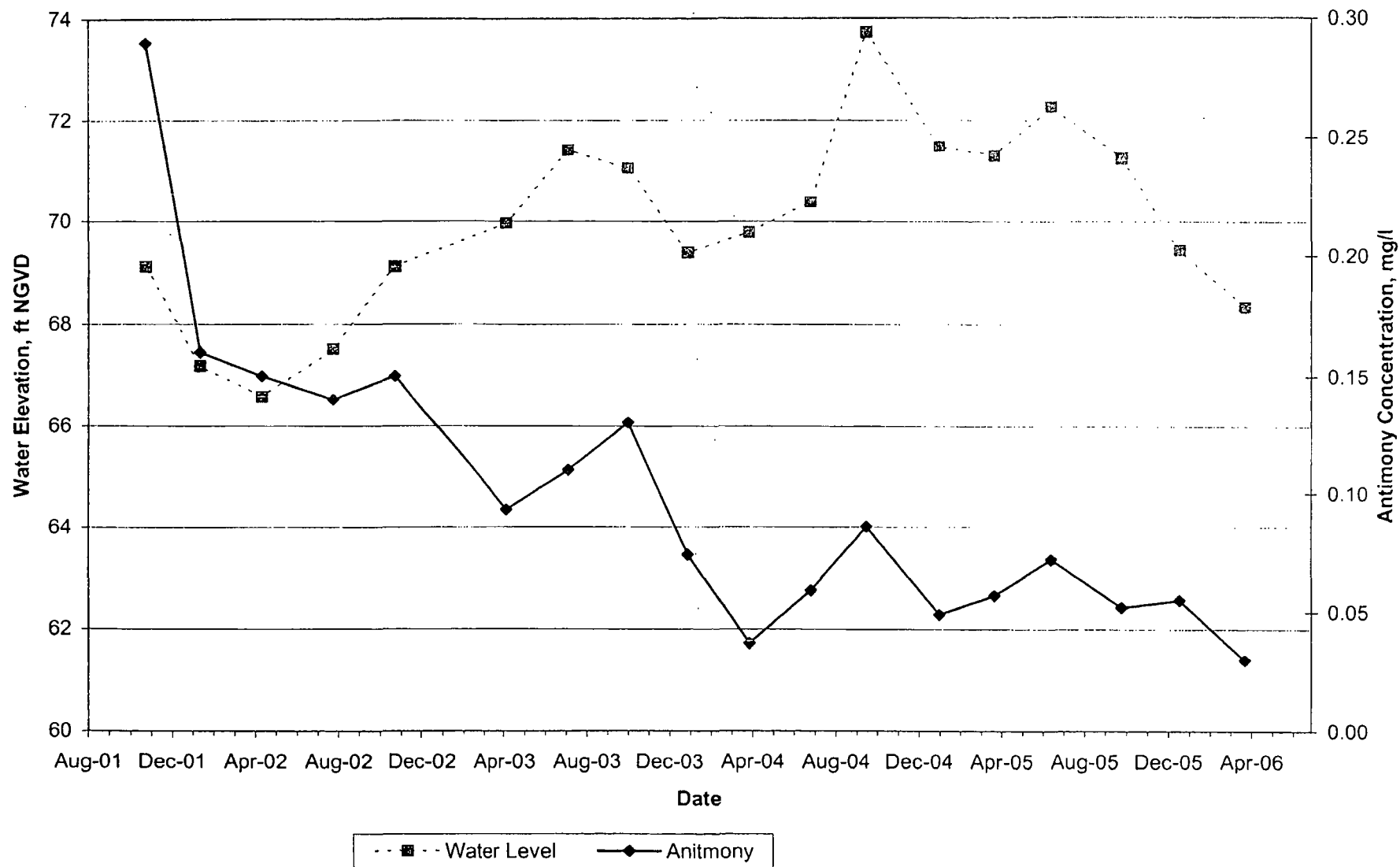


--■-- Water Level —◆— Anitmony

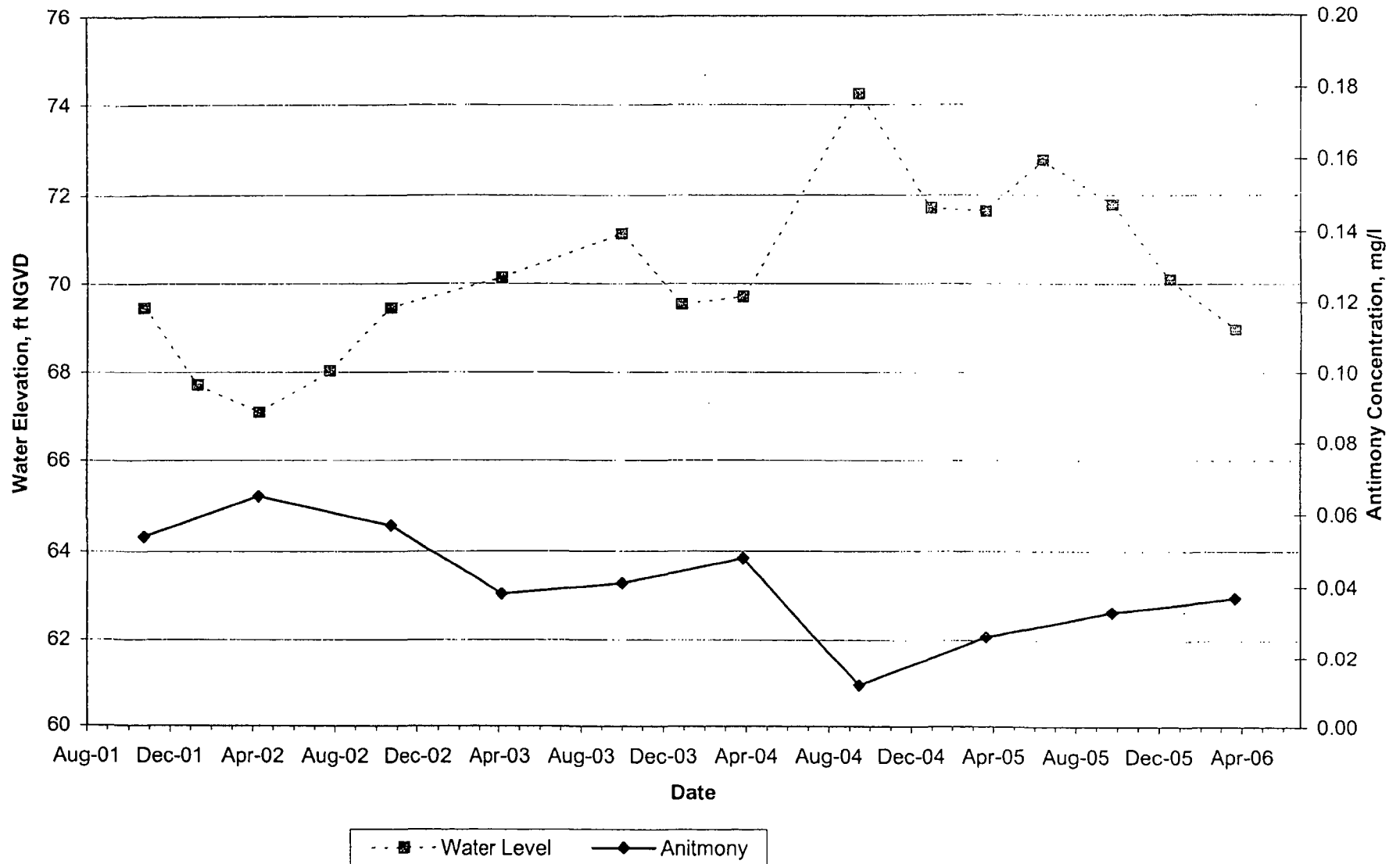
Well MW-5
Antimony Concentration vs Water Elevation



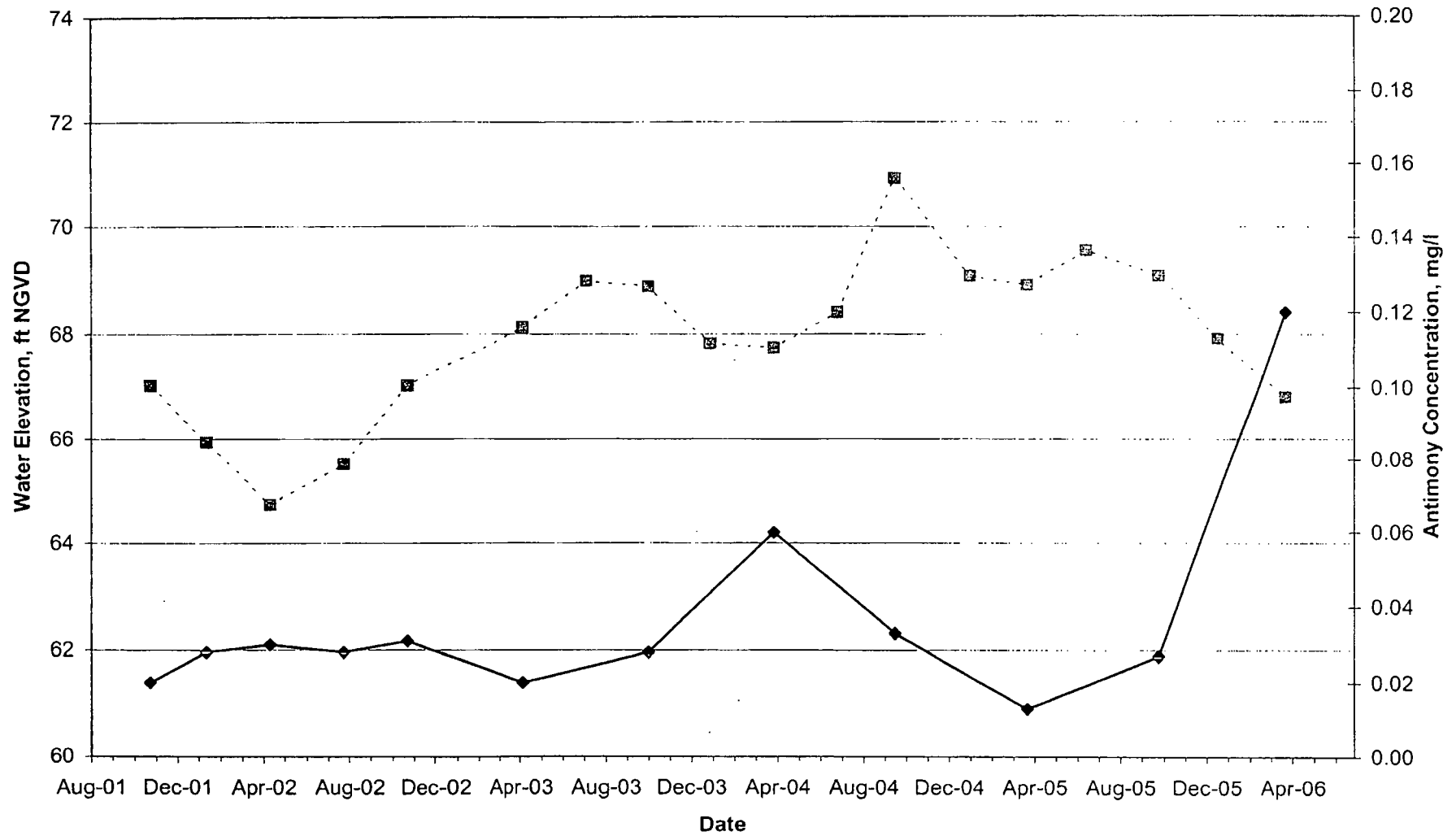
Well MW-7A
Antimony Concentration vs Water Elevation



Well MW-8
Antimony Concentration vs Water Elevation

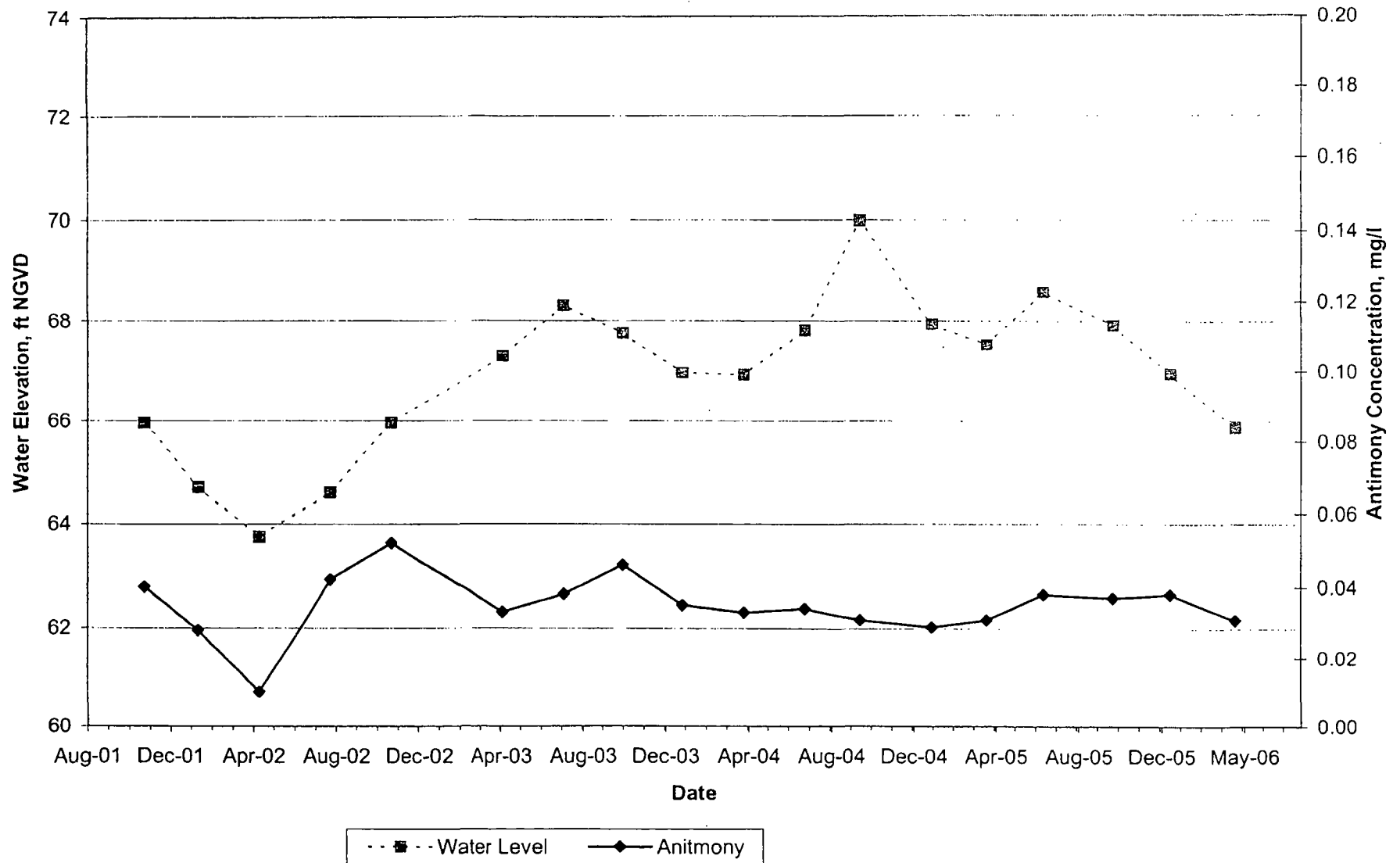


Well MW-10
Antimony Concentration vs Water Elevation

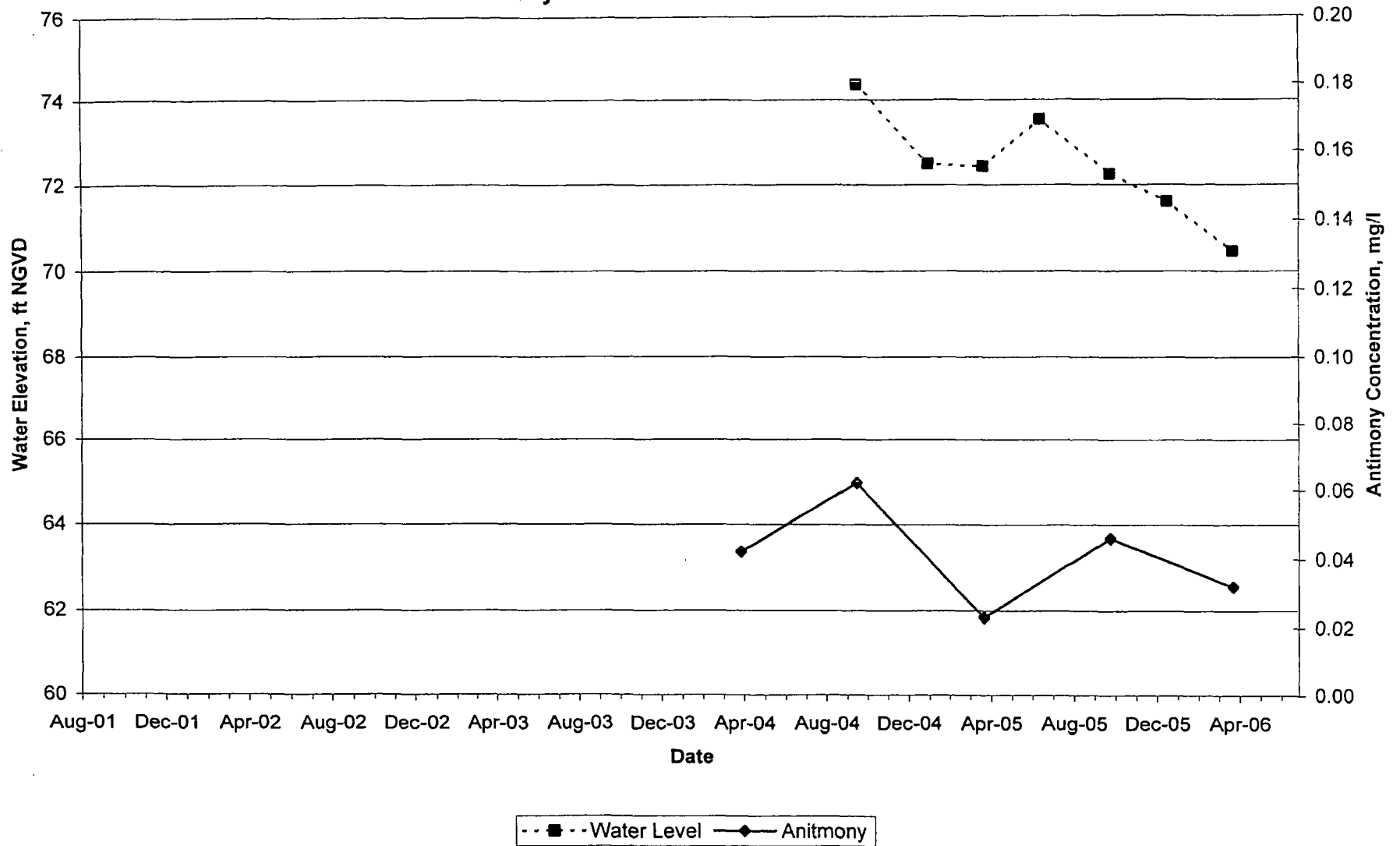


--■-- Water Level —◆— Anitmony

Well MW-11
Antimony Concentration vs Water Elevation



Well MW-13
Antimony Concentration vs Water Elevation



APPENDIX B

PUBLIC NOTICE

Classifieds

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(Circulation 45,000)

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For more information, please call: (813) 469-7092 or write to: J.O. Box 83 • Crystal Springs, FL 33524 • email: zbumperone@verizon.net

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POOL HEATERS: FACTORY DIRECT. 2005 Season. 2006 Season. 2007 Season. 2008 Season. 2009 Season. 2010 Season. 2011 Season. 2012 Season. 2013 Season. 2014 Season. 2015 Season. 2016 Season. 2017 Season. 2018 Season. 2019 Season. 2020 Season. 2021 Season. 2022 Season. 2023 Season. 2024 Season. 2025 Season. 2026 Season. 2027 Season. 2028 Season. 2029 Season. 2030 Season. 2031 Season. 2032 Season. 2033 Season. 2034 Season. 2035 Season. 2036 Season. 2037 Season. 2038 Season. 2039 Season. 2040 Season. 2041 Season. 2042 Season. 2043 Season. 2044 Season. 2045 Season. 2046 Season. 2047 Season. 2048 Season. 2049 Season. 2050 Season. 2051 Season. 2052 Season. 2053 Season. 2054 Season. 2055 Season. 2056 Season. 2057 Season. 2058 Season. 2059 Season. 2060 Season. 2061 Season. 2062 Season. 2063 Season. 2064 Season. 2065 Season. 2066 Season. 2067 Season. 2068 Season. 2069 Season. 2070 Season. 2071 Season. 2072 Season. 2073 Season. 2074 Season. 2075 Season. 2076 Season. 2077 Season. 2078 Season. 2079 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APPENDIX C

LISTING OF REPORTS REVIEWED

Listing of Reports Reviewed

1. *Focused Baseline Human Health Risk Assessment, Normandy Park Apartments, Temple Terrace, Florida*
By: Hazardous Substance & Waste Management Research, Inc
Tallahassee, Florida
Date: April, 1999
2. *Streamlined Remedial Investigation, Normandy Park Apartments, 11110 North 56th Street, Temple Terrace, Florida*
By: QORE Property Sciences
1211 Tech Boulevard, Suite 200
Tampa, Florida 33619
Date: June 30, 1999
3. *Record of Decision, Summary of Remedial Alternative Selection for the Soil and Groundwater, Normandy Park Apartments, Temple Terrace, Hillsborough County, Florida*
By: United States Environmental Protection Agency
Date: March 11, 2000
4. *Remedial Design/Remedial Action Work Plan, Normandy Park Apartments, Temple Terrace, Florida for Gulf Coast Recycling, Inc.*
By: QORE Property Sciences 1211 Tech Boulevard, Suite 200
Tampa, Florida 33619
Date: February 13, 2001
5. *Revised Sampling and Analysis Plan, Remedial Design Ground Water Sampling, Normandy Park Apartments, Tampa, Florida for Gulf Coast Recycling, Inc.*
By: QORE Property Sciences
1211 Tech Boulevard, Suite 200
Tampa, Florida 33619
Date: February 13, 2001
6. *Remedial Action Construction Report, Normandy Park Apartments, Temple Terrace, Florida for Gulf Coast Recycling, Inc.*
By: QORE Property Sciences
1211 Tech Boulevard, Suite 200
Tampa, Florida 33619
Date: January 25, 2002
7. *October 2005 Sampling Event, Remedial Action Ground Water Sampling, Normandy Park Apartments, Tampa, Florida for Gulf Coast Recycling, Inc.*
By: QORE Property Sciences
1211 Tech Boulevard, Suite 200
Tampa, Florida 33619
Date: January 11, 2006

APPENDIX D

SITE INSPECTION FORM

Please note that "O&M" is referred to throughout this checklist. At sites where Long-Term Response Actions are in progress, O&M activities may be referred to as "system operations" since these sites are not considered to be in the O&M phase while being remediated under the Superfund program.

Five-Year Review Site Inspection Checklist (Template)

(Working document for site inspection. Information may be completed by hand and attached to the Five-Year Review report as supporting documentation of site status. "N/A" refers to "not applicable.")

I. SITE INFORMATION													
Site name: <u>NORMANDY PARK APARTMENTS</u>	Date of inspection: <u>12/13/05</u>												
Location and Region: <u>Temple Terrace, FL</u>	EPA ID: <u>FLS 984229723</u>												
Agency, office, or company leading the five-year review: <u>EPA REGION 4</u>	Weather/temperature:												
Remedy Includes: (Check all that apply) <table border="0"> <tr> <td><input checked="" type="checkbox"/> Landfill cover/containment</td> <td><input checked="" type="checkbox"/> Monitored natural attenuation</td> </tr> <tr> <td><input type="checkbox"/> Access controls</td> <td><input type="checkbox"/> Groundwater containment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Institutional controls</td> <td><input type="checkbox"/> Vertical barrier walls</td> </tr> <tr> <td><input type="checkbox"/> Groundwater pump and treatment</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Surface water collection and treatment</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table>		<input checked="" type="checkbox"/> Landfill cover/containment	<input checked="" type="checkbox"/> Monitored natural attenuation	<input type="checkbox"/> Access controls	<input type="checkbox"/> Groundwater containment	<input checked="" type="checkbox"/> Institutional controls	<input type="checkbox"/> Vertical barrier walls	<input type="checkbox"/> Groundwater pump and treatment		<input type="checkbox"/> Surface water collection and treatment		<input type="checkbox"/> Other _____	
<input checked="" type="checkbox"/> Landfill cover/containment	<input checked="" type="checkbox"/> Monitored natural attenuation												
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<input checked="" type="checkbox"/> Institutional controls	<input type="checkbox"/> Vertical barrier walls												
<input type="checkbox"/> Groundwater pump and treatment													
<input type="checkbox"/> Surface water collection and treatment													
<input type="checkbox"/> Other _____													
Attachments: Inspection team roster attached Site map attached													
II. INTERVIEWS (Check all that apply)													
1. O&M site manager _____ <table border="0"> <tr> <td>Name</td> <td>Title</td> <td>Date</td> </tr> <tr> <td>Interviewed at site</td> <td>at office</td> <td>by phone</td> </tr> <tr> <td colspan="3">Phone no. _____</td> </tr> <tr> <td colspan="3">Problems, suggestions; Report attached _____</td> </tr> </table>		Name	Title	Date	Interviewed at site	at office	by phone	Phone no. _____			Problems, suggestions; Report attached _____		
Name	Title	Date											
Interviewed at site	at office	by phone											
Phone no. _____													
Problems, suggestions; Report attached _____													
2. O&M staff _____ <table border="0"> <tr> <td>Name</td> <td>Title</td> <td>Date</td> </tr> <tr> <td>Interviewed at site</td> <td>at office</td> <td>by phone</td> </tr> <tr> <td colspan="3">Phone no. _____</td> </tr> <tr> <td colspan="3">Problems, suggestions; Report attached _____</td> </tr> </table>		Name	Title	Date	Interviewed at site	at office	by phone	Phone no. _____			Problems, suggestions; Report attached _____		
Name	Title	Date											
Interviewed at site	at office	by phone											
Phone no. _____													
Problems, suggestions; Report attached _____													

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

Agency _____
 Contact _____

Name	Title	Date	Phone no.
Problems; suggestions; Report attached _____			

Agency _____
 Contact _____

Name	Title	Date	Phone no.
Problems; suggestions; Report attached _____			

Agency _____
 Contact _____

Name	Title	Date	Phone no.
Problems; suggestions; Report attached _____			

Agency _____
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Name	Title	Date	Phone no.
Problems; suggestions; Report attached _____			

4. **Other interviews (optional)** Report attached.

III. ON-SITE DOCUMENTS & RECORDS VERIFIED (Check all that apply)				
1.	O&M Documents O&M manual As-built drawings Maintenance logs Remarks _____	Readily available Readily available Readily available	Up to date Up to date Up to date	<u>N/A</u> <u>N/A</u> <u>N/A</u>
2.	Site-Specific Health and Safety Plan Contingency plan/emergency response plan Remarks _____	Readily available Readily available	Up to date Up to date	<u>N/A</u> <u>N/A</u>
3.	O&M and OSHA Training Records Remarks _____	Readily available	Up to date	<u>N/A</u>
4.	Permits and Service Agreements Air discharge permit Effluent discharge Waste disposal, POTW Other permits _____ Remarks _____	Readily available Readily available Readily available Readily available	Up to date Up to date Up to date Up to date	<u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u>
5.	Gas Generation Records Remarks _____	Readily available	Up to date.	<u>N/A</u>
6.	Settlement Monument Records Remarks _____	Readily available	Up to date	<u>N/A</u>
7.	Groundwater Monitoring Records Remarks <u>Located at nearby Temple Terrace Library</u>	<u>Readily available</u>	Up to date	N/A
8.	Leachate Extraction Records Remarks _____	Readily available	Up to date	<u>N/A</u>
9.	Discharge Compliance Records Air Water (effluent) Remarks _____	Readily available Readily available	Up to date Up to date	<u>N/A</u> <u>N/A</u>
10.	Daily Access/Security Logs Remarks _____	Readily available	Up to date	<u>N/A</u>

IV. O&M COSTS**1. O&M Organization**

State in-house

Contractor for State

PRP in-house

Contractor for PRP

Federal Facility in-house

Contractor for Federal Facility

Other _____

2. O&M Cost Records

Readily available

Up to date

Funding mechanism/agreement in place

Original O&M cost estimate _____ Breakdown attached

Total annual cost by year for review period if available

From _____	To _____	_____	Breakdown attached
Date	Date	Total cost	
From _____	To _____	_____	Breakdown attached
Date	Date	Total cost	
From _____	To _____	_____	Breakdown attached
Date	Date	Total cost	
From _____	To _____	_____	Breakdown attached
Date	Date	Total cost	
From _____	To _____	_____	Breakdown attached
Date	Date	Total cost	

3. Unanticipated or Unusually High O&M Costs During Review Period

Describe costs and reasons: _____

V. ACCESS AND INSTITUTIONAL CONTROLSApplicable

N/A

A. Fencing

1. Fencing damaged

Remarks _____

Location shown on site map

Gates secured

N/A**B. Other Access Restrictions**

1. Signs and other security measures

Remarks _____

Location shown on site map

N/A

C. Institutional Controls (ICs)**1. Implementation and enforcement**

Site conditions imply ICs not properly implemented

Yes No N/A

Site conditions imply ICs not being fully enforced

Yes No N/A

Type of monitoring (e.g., self-reporting, drive by) _____

Frequency _____

Responsible party/agency _____

Contact _____

Name

Title

Date

Phone no.

Reporting is up-to-date

Yes No N/A

Reports are verified by the lead agency

Yes No N/A

Specific requirements in deed or decision documents have been met

Yes No N/A

Violations have been reported

Yes No N/A

Other problems or suggestions: Report attached

2. Adequacy

ICs are adequate

ICs are inadequate

N/A

Remarks _____

D. General**1. Vandalism/trespassing**

Location shown on site map

No vandalism evident

Remarks _____

2. Land use changes on site

N/A

Remarks _____

3. Land use changes off site

N/A

Remarks Private School & City Public Works constructed west of the site.

VI. GENERAL SITE CONDITIONS**A. Roads**

Applicable

N/A

1. Roads damaged

Location shown on site map

Roads adequate

N/A

Remarks _____

B. Other Site ConditionsRemarks _____

_____**VII. LANDFILL COVERS** Applicable N/A**A. Landfill Surface**

1. **Settlement** (Low spots) Location shown on site map Settlement not evident
Areal extent _____ Depth _____
Remarks _____
2. **Cracks** Location shown on site map Cracking not evident
Lengths _____ Widths _____ Depths _____
Remarks No significant cracks noted.
3. **Erosion** Location shown on site map Erosion not evident
Areal extent _____ Depth _____
Remarks _____
4. **Holes** Location shown on site map Holes not evident
Areal extent _____ Depth _____
Remarks none significant
5. **Vegetative Cover** Grass Cover properly established No signs of stress
Trees/Shrubs (indicate size and locations on a diagram)
Remarks _____
6. **Alternative Cover** (armored rock, concrete, etc.) N/A
Remarks _____
7. **Bulges** Location shown on site map Bulges not evident
Areal extent _____ Height _____
Remarks _____

8.	Wet Areas/Water Damage	Wet areas/water damage not evident	
	Wet areas	Location shown on site map	Areal extent
	Ponding	Location shown on site map	Areal extent
	Seeps	Location shown on site map	Areal extent
	Soft subgrade	Location shown on site map	Areal extent
	Remarks		
9.	Slope Instability	Slides	Location shown on site map
	Areal extent	No evidence of slope instability	
	Remarks		
B. Benches Applicable N/A			
(Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)			
1.	Flows Bypass Bench	Location shown on site map	N/A or okay
	Remarks		
2.	Bench Breached	Location shown on site map	N/A or okay
	Remarks		
3.	Bench Overtopped	Location shown on site map	N/A or okay
	Remarks		
C. Letdown Channels Applicable N/A			
(Channel lined with erosion control mats, riprap, grout bags, or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off of the landfill cover without creating erosion gullies.)			
1.	Settlement	Location shown on site map	No evidence of settlement
	Areal extent	Depth	
	Remarks		
2.	Material Degradation	Location shown on site map	No evidence of degradation
	Material type	Areal extent	
	Remarks		
3.	Erosion	Location shown on site map	No evidence of erosion
	Areal extent	Depth	
	Remarks		

4.	Undercutting Areal extent _____ Remarks _____	Location shown on site map _____ Depth _____	No evidence of undercutting
5.	Obstructions Type _____ Location shown on site map _____ Size _____ Remarks _____	Areal extent _____	No obstructions
6.	Excessive Vegetative Growth No evidence of excessive growth Vegetation in channels does not obstruct flow Location shown on site map _____ Remarks _____	Type _____ Areal extent _____	
D. Cover Penetrations Applicable <u>N/A</u>			
1.	Gas Vents Properly secured/locked Functioning Evidence of leakage at penetration N/A Remarks _____	Active Passive Routinely sampled Needs Maintenance	Good condition
2.	Gas Monitoring Probes Properly secured/locked Functioning Evidence of leakage at penetration Remarks _____	Routinely sampled Needs Maintenance	Good condition N/A
3.	Monitoring Wells (within surface area of landfill) Properly secured/locked Functioning Evidence of leakage at penetration Remarks _____	Routinely sampled Needs Maintenance	Good condition N/A
4.	Leachate Extraction Wells Properly secured/locked Functioning Evidence of leakage at penetration Remarks _____	Routinely sampled Needs Maintenance	Good condition N/A
5.	Settlement Monuments Remarks _____	Located Routinely surveyed	N/A

E. Gas Collection and Treatment		Applicable	(N/A)
1.	Gas Treatment Facilities Flaring Good condition Remarks _____	Thermal destruction Needs Maintenance	Collection for reuse
2.	Gas Collection Wells, Manifolds and Piping Good condition Remarks _____	Needs Maintenance	
3.	Gas Monitoring Facilities (e.g., gas monitoring of adjacent homes or buildings) Good condition Remarks _____	Needs Maintenance	N/A
F. Cover Drainage Layer		Applicable	(N/A)
1.	Outlet Pipes Inspected Remarks _____	Functioning	N/A
2.	Outlet Rock Inspected Remarks _____	Functioning	N/A
G. Detention/Sedimentation Ponds		Applicable	(N/A)
1.	Siltation Areal extent _____ Depth _____ Siltation not evident Remarks _____		N/A
2.	Erosion Areal extent _____ Depth _____ Erosion not evident Remarks _____		
3.	Outlet Works Remarks _____	Functioning	N/A
4.	Dam Remarks _____	Functioning	N/A

H. Retaining Walls		Applicable	N/A
1.	Deformations	Location shown on site map	Deformation not evident
	Horizontal displacement _____	Vertical displacement _____	
	Rotational displacement _____		
	Remarks _____		
2.	Degradation	Location shown on site map	Degradation not evident
	Remarks _____		
I. Perimeter Ditches/Off-Site Discharge		Applicable	N/A
1.	Siltation	Location shown on site map	Siltation not evident
	Areal extent _____	Depth _____	
	Remarks _____		
2.	Vegetative Growth	Location shown on site map	N/A
	Vegetation does not impede flow		
	Areal extent _____	Type _____	
	Remarks _____		
3.	Erosion	Location shown on site map	Erosion not evident
	Areal extent _____	Depth _____	
	Remarks _____		
4.	Discharge Structure	Functioning	N/A
	Remarks _____		
VIII. VERTICAL BARRIER WALLS		Applicable	N/A
1.	Settlement	Location shown on site map	Settlement not evident
	Areal extent _____	Depth _____	
	Remarks _____		
2.	Performance Monitoring	Type of monitoring _____	
	Performance not monitored		
	Frequency _____	Evidence of breaching	
	Head differential _____		
	Remarks _____		

IX. GROUNDWATER/SURFACE WATER REMEDIES		Applicable	N/A
A. Groundwater Extraction Wells, Pumps, and Pipelines		Applicable	N/A
1.	Pumps, Wellhead Plumbing, and Electrical Good condition All required wells properly operating Needs Maintenance N/A Remarks _____ _____ _____		
2.	Extraction System Pipelines, Valves, Valve Boxes, and Other Appurtenances Good condition Needs Maintenance Remarks _____ _____		
3.	Spare Parts and Equipment Readily available Good condition Requires upgrade Needs to be provided Remarks _____ _____		
B. Surface Water Collection Structures, Pumps, and Pipelines		Applicable	N/A
1.	Collection Structures, Pumps, and Electrical Good condition Needs Maintenance Remarks _____ _____		
2.	Surface Water Collection System Pipelines, Valves, Valve Boxes, and Other Appurtenances Good condition Needs Maintenance Remarks _____ _____		
3.	Spare Parts and Equipment Readily available Good condition Requires upgrade Needs to be provided Remarks _____ _____		

C. Treatment System		Applicable	N/A
1.	Treatment Train (Check components that apply) Metals removal Oil/water separation Bioremediation Air stripping Carbon adsorbers Filters _____ Additive (e.g., chelation agent, flocculent) _____ Others _____ Good condition Needs Maintenance Sampling ports properly marked and functional Sampling/maintenance log displayed and up to date Equipment properly identified Quantity of groundwater treated annually _____ Quantity of surface water treated annually _____ Remarks _____		
2.	Electrical Enclosures and Panels (properly rated and functional) N/A Good condition Needs Maintenance Remarks _____		
3.	Tanks, Vaults, Storage Vessels N/A Good condition Proper secondary containment Needs Maintenance Remarks _____		
4.	Discharge Structure and Appurtenances N/A Good condition Needs Maintenance Remarks _____		
5.	Treatment Building(s) N/A Good condition (esp. roof and doorways) Needs repair Chemicals and equipment properly stored Remarks _____		
6.	Monitoring Wells (pump and treatment remedy) Properly secured/locked Functioning Routinely sampled Good condition All required wells located Needs Maintenance N/A Remarks _____		
D. Monitoring Data			
1.	Monitoring Data <u>Is routinely submitted on time</u> Is of acceptable quality		
2.	Monitoring data suggests: <u>Groundwater plume is effectively contained</u> Contaminant concentrations are declining		

D. Monitored Natural Attenuation**I. Monitoring Wells (natural attenuation remedy)**

Properly secured/locked

Functioning

Routinely sampled

Good condition

All required wells located

Needs Maintenance

N/A

Remarks

X. OTHER REMEDIES

If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction.

XI. OVERALL OBSERVATIONS**A. Implementation of the Remedy**

Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).

B. Adequacy of O&M

Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.

APPENDIX E

INTERVIEW FORM

INTERVIEW FORM
Apartment Resident #1

1. Are you aware of the former environmental issues at the Apartments and of the cleanup actions that took place?

Yes, she was a resident at that time.

2. What is your overall impression of the cleanup project?

Based on her knowledge of the project, she thought it was very good.

3. What effects have this Site had on the surrounding community, if any?

None that she was aware of.

4. Are you aware of any community concerns regarding the Site?

Not at this time. She came to Tampa in 1992 but, at first, did not live at the apartments due to the contamination. She later moved to Normandy Park about 8 years ago.

5. Do you feel well informed about the Site's activities and progress?

She felt well informed when the work was being done, but not since then.

6. Do you have any comments, suggestions, or recommendations regarding the cleanup work completed at the site and EPA's management of it?

None that she can think of.

INTERVIEW FORM
Apartment Resident #2

1. Are you aware of the former environmental issues at the Apartments and of the cleanup actions that took place?

She was aware when the excavation was ongoing. She worked a lot so she was not intimately aware of what was going on. Her son knew more about it than she did.

2. What is your overall impression of the cleanup project?

She thought the site looked fine.

3. What effects have this Site had on the surrounding community, if any?

None of which she was aware.

4. Are you aware of any community concerns regarding the Site?

None that she knows of; however, she doesn't get out much anymore to talk to very many other people.

5. Do you feel well informed about the Site's activities and progress?

She was not really aware of what was going on or why; however, her son had kept abreast of what was going on.

6. Do you have any comments, suggestions, or recommendations regarding the cleanup work completed at the site and EPA's management of it?

No, she thought every thing was fine.

INTERVIEW FORM

Diane Lee – President, DLG Management Services
Amy Flanagan – Property Manager (DLG) and Resident
(Interview was performed jointly)

1. Are you aware of the former environmental issues at the Apartments and of the cleanup actions that took place?

Yes, DLG was managing the facility at the time of the cleanup. Amy has been living at the complex for three years and was not aware that contaminated soils remained on site. She thought that the ground water monitoring that was being performed was to make certain that the contamination didn't come back. Neither was aware of the need to notify anyone if the soil under the buildings, parking lot and so forth, was exposed or needed to be excavated. They had been providing notices to new and potential tenants about the site history but had stopped several years ago; however, the complex has a very low turnover rate. Diane requested a write-up of what was done and the restrictions on site to provide to her maintenance personnel.

2. What is your overall impression of the cleanup project?

They thought it was very good.

3. What effects have this Site had on the surrounding community, if any?

They thought the work was a positive improvement.

4. Are you aware of any community concerns regarding the Site?

Not that they were aware of.

5. Do you feel well informed about the Site's activities and progress?

Somewhat – they knew of the ground water monitoring but not the purpose for it and, as noted above, they were unaware of the restrictions on the unexcavated soils; however, they had not ever had any inquiries other than one person who had found it on a website (see Joyce Morales-Caramella Interview Form).

6. Do you have any comments, suggestions, or recommendations regarding the cleanup work completed at the site and EPA's management of it?

They couldn't think of anything.

INTERVIEW FORM
Diana Colon – Leasing Agent (DLG) and Resident

1. Are you aware of the former environmental issues at the Apartments and of the cleanup actions that took place?

She has lived at the complex for only about one year. She had heard about the cleanup/environmental issues in a peripheral way but otherwise did not know what was done.

2. What is your overall impression of the cleanup project?

She thought it was adequate.

3. What effects have this Site had on the surrounding community, if any?

She was not aware of any.

4. Are you aware of any community concerns regarding the Site?

She had not heard of any concerns.

5. Do you feel well informed about the Site's activities and progress?

Yes, she felt well informed.

6. Do you have any comments, suggestions, or recommendations regarding the cleanup work completed at the site and EPA's management of it?

She was concerned about impacts to the water at the complex. Bill Denman explained that the complex was on City water and that the residents were not drinking or using contaminated water from the site. She was satisfied with this explanation.

INTERVIEW FORM

Frankie Acuna - Maintenance Man (DLG)

Victor Claudio – Maintenance Man (DLG)

(Interview was performed jointly)

1. Are you aware of the former environmental issues at the Apartments and of the cleanup actions that took place?

Neither was aware of what had gone on at the site. Frankie had worked at the site for only about 2 months and Victor had only been there a month. Neither was aware of the restrictions with respect to exposing or excavating the soil from under the sidewalks, pavement, buildings and so forth. Bill Denman and Joyce Morales-Caramella (GCR) explained what had occurred, what the restrictions were and why they were necessary. Both seemed to understand.

Due to their short timeframe at the site and lack of site history, none of the remaining were applicable (NA).

2. What is your overall impression of the cleanup project?

NA

3. What effects have this Site had on the surrounding community, if any?

NA

4. Are you aware of any community concerns regarding the Site?

NA

5. Do you feel well informed about the Site's activities and progress?

NA

6. Do you have any comments, suggestions, or recommendations regarding the cleanup work completed at the site and EPA's management of it?

The areas of contaminated soil should be identified and procedures set up to notify future maintenance workers of the restrictions at the site.

NORMANDY PARK APARTMENTS FIRST FIVE-YEAR REVIEW

EPA Questions Asked of Joyce Morales-Caramella – December 2005

1. What is your overall impression of the project?

The remediation project went well and was finished in a timely manner with very few problems. EPA, Gulf Coast Recycling, Inc. (GCR) and GCR's consultants worked well together.

2. How well do you believe the remedy is performing?

The remedy is performing as expected. Natural attenuation of groundwater is going to take more time.

3. Have all institutional controls contained in the Record of Decision been implemented? If not, please provide a schedule for implementation.

No, the restrictive covenant is not yet in place. According to Bill Taylor, Mr. Green, the property owner, signed the covenant several months ago (shortly after meeting with Ms. West in Atlanta). The document was supposedly notarized and it was assumed it was sent to Ms. West. When recently questioned, Mr. Taylor's paralegal assistant stated the notarized document was sent to the corporate office for Metalico, but no one can explain why. Metalico is looking for the document, but I'm not confident it will be found. I spoke with Mr. Taylor on Monday, December 12, 2005, and he stated that a new document would be signed, notarized and filed in Hillsborough County before the end of 2005.

4. Has the maintenance of the monitoring wells and hard surfaces such as parking lots and sidewalks been implemented as intended? Please describe your role in the O&M of the remedy.

The wells are maintained by QORE on behalf of GCR. There have been no problems noted with the flush-mount wells. The property owner maintains the sidewalks and other hard surfaces. QORE visits the property quarterly and I visit the property every three to four months.

5. Have you received any complaints or inquiries from residents of the Apartments since implementation of the remedial action, regarding environmental issues or the remedial action? If so, please explain.

Immediately upon completion of the remedial action complaints were received from residents of the complex regarding the elimination of the private decks in the southern complex.

There was a problem with stormwater ponding in the northern complex shortly after the remedy was completed. WRS Infrastructure and Environment corrected the drainage problem.

One other complaint was forwarded to me from Bill Denman and the Environmental Protection Commission of Hillsborough County (EPC) that a resident was complaining of battery chips in the complex. Bill Weston (the GCR Operations Manager) and I walked every inch of the site and found a couple battery chips near the roots of one of the big oak trees in the northern complex. I spoke with the complainant and she stated that she had never told anyone that she had seen battery chips, but rather she had reviewed historic data on line and was concerned about the battery chips. Her concerns were diminished by the time I spoke with her since she was moving or had just moved. I explained the remediation that was done at the site and why.

6. Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

It just recently came to my attention that the paving stones surrounding one of the trees, west of the tennis courts, are being dislodged by some of the older children in the complex. I brought this to the attention of the apartment manager after the stones were put back in place. If this continues, GCR will consider cementing the stones in place or replacing the stones with a wooden deck.

7. Have there been opportunities to optimize O&M, or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

There has been a reduction in the frequency of sampling and in the number of parameters being sampled. Although additional wells were installed to properly assess the groundwater at the western property boundary, the number of parameters being analyzed at several other wells has been reduced. Also, the sampling frequency of several wells was reduced from quarterly to semiannually. All changes were made after receiving EPA's approval.

8. Do you have any comments, suggestions, or recommendations regarding the project?

If not already being done, persons leasing apartments at Normandy Park should be notified of the remedial action taken at the site and should be notified regarding precautions that should be taken, such as not digging on the property, reporting broken sidewalks, etc.

APPENDIX F

RESTRICTIVE COVENANT

MACFARLANE FERGUSON & McMULLEN

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IN REPLY REFER TO:

Tampa

February 27, 2006

Kathleen West, Esq.
Associate Regional Counsel
EPA Region 4
Atlanta Federal Center
61 Forsyth St., SW
Atlanta, GA 30303

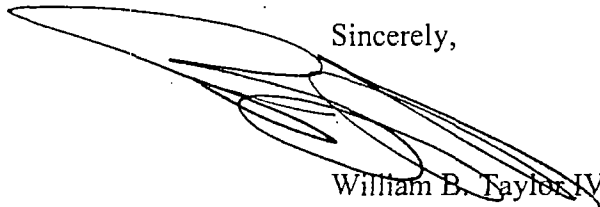
***Re: Normandy Park Superfund Site; 11110 N. 56th Street, Temple Terrace, Florida
Declaration of Restrictive and Affirmative Covenants***

Dear Kathleen:

Enclosed please find a copy of the fully executed Declaration of Restrictive and Affirmative Covenants for the above referenced matter. I have, by copy of this letter, sent a fully executed copy to Kelsey A. Helton at the Florida Department of Environmental Protection as well.

Should you have any questions, please do not hesitate to call.

Sincerely,



William B. Taylor IV

WBTIV:kbb

Enclosure

c: Kelsy A. Helton
Joyce Morales-Caramella
Steve Green

INSTR # 2006068283

O BK 16094 PG 0022

Pgs 0022 - 33; (12pgs)

RECORDED 02/08/2006 04:53:41 PM

PAT FRANK CLERK OF COURT

HILLSBOROUGH COUNTY

DEPUTY CLERK Y Roche

This instrument prepared by:
William B. Taylor IV, Esquire
Macfarlane Ferguson & McMullen
P.O. Box 1531
Tampa, Florida 33601

**DECLARATION OF RESTRICTIVE
AND AFFIRMATIVE COVENANTS**

1. This Declaration of Restrictive and Affirmative Covenants ("Declaration" or "this instrument") is given this 9TH day of JANUARY, 2006, by NORMANDY PARK HOLDINGS a FL corporation, ("Grantor"), having an address of 11110 N. 56TH STREET TAMPA, FL to the State of Florida Department of Environmental Protection ("Grantee"). 33617

WITNESSETH:

2. WHEREAS, Grantor is the sole fee simple owner of a parcel of land located in the county of Hillsborough, State of Florida, more particularly described on Exhibit A attached hereto and made a part hereof (the "Property"); and

3. WHEREAS, the Property is part of the Normandy Park Superfund Site ("Site"), which the U.S. Environmental Protection Agency ("EPA"), pursuant to Section 105 of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. § 9605, proposed for the National Priorities List, set forth at 40 C.F.R. Part 300, Appendix B, by publication in the Federal Register in February, 1995; and

4. WHEREAS, The Superfund Streamlined Remedial Investigation and Focused Feasibility Study confirmed that soil was contaminated with lead, antimony and arsenic, and that groundwater is contaminated with lead and antimony in concentrations that exceed standards or recommended exposure or ingestion levels; and

5. WHEREAS, in a Record of Decision dated May 11, 2000 (the "ROD"), the EPA Region 4 Regional Administrator selected a "remedial action" for the Site, which provides, in part, for the following actions:

- excavation of the top two feet of exposed soil around the apartment complex
- removal of wooden deck in the southern complex and excavation beneath
- treatment of excavated soil via stabilization and offsite disposal
- placement of clean fill in excavated areas
- monitored natural attenuation of groundwater
- placement of institutional controls in the form of deed restrictions/restrictive and affirmative covenants to limit future use of soil and groundwater, ensure maintenance of the engineered remedy, and authorize site access for certain purposes; and

6. WHEREAS, with the exception of continued monitored natural attenuation of the groundwater, the remedial action has been implemented at the Site; and

7. WHEREAS, the parties hereto have agreed 1) to impose on the Property use restrictions as covenants that will run with the land for the purpose of protecting human health and the environment; and 2) to grant an irrevocable right of access over the Property to the Grantee and its agents or representatives for purposes of implementing, facilitating and monitoring the remedial action; and

8. WHEREAS, Grantor wishes to cooperate fully with EPA and the Grantee in the implementation of all response actions at the Site and Grantor deems it desirable and in the best interest of all present and future owners of the Property that such remediation proceed and that the Property be held subject to certain irrevocable restrictions and licenses, all of which are more particularly hereinafter set forth;

NOW, THEREFORE:

9. Grant: Grantor, on behalf of itself, its successors and assigns, in consideration of the recitals above, the terms of the Consent Decree in the case of the United States v. Gulf Coast Recycling, Inc., Civil Action # 8:01-CIV-1191-T-24TBM, and other good and valuable consideration, the adequacy and receipt of which is hereby acknowledged, does hereby covenant and declare that the Property shall be subject to the restrictions on use set forth below, and does give, grant and convey to the Grantee, and its assigns, with general warranties of title, 1) an irrevocable use restriction and site access covenant of the nature and character, and for the purposes hereinafter set forth and 2), the perpetual right to enforce said covenants and use restrictions, with respect to the Property.

10. Purpose: *It is the purpose of this instrument to convey to the Grantee rights to*

facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to contaminants. The covenants, terms, conditions, restrictions and grants contained herein shall touch and concern the Property; shall run with the land; shall apply to and be binding upon and inure to the benefit of Grantor and Grantee, their successors and assigns; and shall continue as a servitude running in perpetuity with the Property and with title to the Property.

11. Restrictions on use: The following covenants, conditions, and restrictions apply to the use of the Property:

The owner of the property shall notify EPA and Grantee prior to the disturbance of any existing structures, more particularly described on Exhibit B attached hereto and made a part hereof. These structures include but are not limited to *concrete* building foundations *and* asphalt parking lots. *With the* notification, *the* property owner shall also submit a plan for EPA and Grantee approval which addresses the soil underneath these structures consistent with the requirements of the ROD for the Site. The existing structures shall not be disturbed until EPA and Grantee have provided written approval of a plan for addressing the potentially contaminated soil underneath.

The owner of the Property will not construct any groundwater wells on the Property or use the groundwater for any purpose without receiving written prior approval from EPA and Grantee.

The owner of the Property shall maintain all asphalt byways and parking lots so as to ensure their protective purpose as a capping remedial measure consistent with the requirements of the ROD for the Site.

12. Irrevocable Covenant for Site Access: Grantor hereby grants to the Grantee, its agents and representatives, an irrevocable, permanent and continuing right of access at all reasonable times to the Property for purposes of:

- a) Implementing the response actions in the ROD;
- b) Verifying any data or information submitted to EPA and Grantee;
- c) Verifying that no action is being taken on the Property in violation of the terms of this instrument or of any federal or state environmental laws or regulations;
- d) Monitoring response actions on the Site and conducting investigations relating to contamination on or near the Site, including, without limitation, sampling of air, water, sediments, soils, and specifically, without limitation, obtaining split or duplicate samples;

- e) Conducting periodic reviews of the remedial action, including but not limited to, reviews required by applicable statutes and/or regulations; and
- f) Implementing additional or new response actions if the Grantee, in its sole discretion, determines i) that such actions are necessary to protect the environment because either the original remedial action has proven to be ineffective or because new technology has been developed which will accomplish the purposes of the remedial action in a significantly more efficient or cost effective manner; and, ii) that the additional or new response actions will not impose any significantly greater burden on the Property or unduly interfere with the then existing uses of the Property.

13. Modification: The above restrictions and covenants may be modified, or terminated in whole or in part, in writing, by the Grantee, executed by Grantee in recordable form, and such writing shall be recorded by Grantor.

14. (a) Reserved rights of Grantor: Grantor hereby reserves unto itself, its successors, and assigns, all rights and privileges in and to the use of the Property which are not incompatible with the restrictions, rights and covenants granted herein.

(b) Reserved Rights of EPA: Nothing in this document shall limit or otherwise affect EPA's rights of entry and access or EPA's authority to take response actions under CERCLA, the NCP, or other federal law.

(c) Reserved Rights of Grantee: Nothing in this document shall limit or otherwise affect Grantee's rights of entry and access or authority to act under state or federal law.

15. Liability. Grantor shall take responsibility for any costs or liabilities related to the operation, upkeep or maintenance of the Property. Grantor will assume all liability for any injury or damage to the person or property of third parties which may occur on the Property arising from Grantor's ownership of the Property. Neither Grantor nor any person or entity claiming by or through Grantor shall hold Grantee liable for any damage or injury to person or personal property which may occur on the Property. Grantor shall pay any and all real property taxes and assessments levied by competent authority on the Property.

15. No Public Access and Use: No right of access or use by the general public to any portion of the Property is conveyed by this instrument.

17. Notice requirement: Grantor agrees to include in any instrument conveying any interest in any portion of the Property, including but not limited to deeds, leases and mortgages, a notice which is in substantially the following form:

NOTICE: THE INTEREST CONVEYED HEREBY IS

**SUBJECT TO A DECLARATION OF RESTRICTIVE AND
AFFIRMATIVE COVENANTS, DATED _____
2004, RECORDED IN THE PUBLIC LAND RECORDS ON
_____, 20____, IN BOOK _____, PAGE _____, IN
FAVOR OF, AND ENFORCEABLE BY, THE STATE OF
FLORIDA DEPARTMENT OF ENVIRONMENTAL
PROTECTION.**

Within thirty (30) days of the date any such instrument of conveyance is executed, Grantor must provide Grantee with a certified true copy of said instrument and, if it has been recorded in the public land records, its recording reference.

18. Administrative Jurisdiction: The state agency having administrative jurisdiction over the interests acquired by the State of Florida by this instrument is the Grantee. EPA is a third party beneficiary to the interests acquired by the Grantee under this instrument.

19. Enforcement: The Grantee shall be entitled to enforce the terms of this instrument by resort to specific performance or legal process. All remedies available hereunder shall be in addition to any and all other remedies at law or in equity, including CERCLA. Enforcement of the terms of this instrument shall be at the discretion of the Grantee, and any forbearance, delay or omission to exercise its rights under this instrument in the event of a breach of any term of this instrument shall not be deemed to be a waiver by the Grantee of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Grantee under this instrument.

20. Damages: Grantee shall be entitled to recover damages for violations of the terms of this instrument, or for any injury to the remedial action, to the public or to the environment protected by this instrument.

21. Waiver of certain defenses: Grantor hereby waives any defense of laches, estoppel, or prescription.

22. Covenants: Grantor hereby covenants to and with the Grantee, that the Grantor is lawfully seized in fee simple of the Property, that the Grantor has a good and lawful right and power to sell and convey it or any interest therein, that the Property is free and clear of encumbrances, except those noted on Exhibit C attached hereto, and that the Grantor will forever warrant and defend the title thereto and the quiet possession thereof.

23. Notices: Any notice, demand, request, consent, approval, or communication that either party desires or is required to give to the other shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, referencing the Site

name and Site ID # 04XB, and addressed as follows:

To Grantor:

NORMANDY PARK HOLDINGS
11110 N. 56TH STREET
TAMPA, FL 33617

To Grantee:

Bureau Chief, Waste Cleanup
FDEP M.S. 4505
2600 Blair Stone Road
Tallahassee, FL 32399

To EPA:

U.S. EPA, Region 4
Waste Management Division
Superfund Remedial and Technical Services Branch
Section Chief, Section D
61 Forsyth Street, SW
Atlanta, GA 30303

24. Recording in Land Records. Grantor shall record this Declaration of Restrictive and Affirmative Covenants in timely fashion in the Official Records of Hillsborough County, Florida, and shall rerecord it at any time Grantee may require to preserve its rights. Grantor shall pay all recording costs and taxes necessary to record this document in the public records.

25. General provisions:

a) Controlling law: The interpretation and performance of this instrument shall be governed by the laws of the United States or, if there are no applicable federal laws, by the law of the state where the Property is located.

b) Liberal construction: Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the grant to effect the purpose of this instrument and the policy and purpose of CERCLA. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

c) Severability: If any provision of this instrument, or the application of it to any person or circumstance, is found to be invalid, the remainder of the provisions of this instrument, or the application of such provisions to persons or circumstances other than those to which it is found to be invalid, as the case may be, shall not be affected thereby.

d) Entire Agreement: This instrument sets forth the entire agreement of the parties with respect to rights and restrictions created hereby, and supersedes all prior

discussions, negotiations, understandings, or agreements relating thereto, all of which are merged herein.

e) No Forfeiture: Nothing contained herein will result in a forfeiture or reversion of Grantor's title in any respect.

f) Joint Obligation: If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

g) Successors: The term "Grantor", wherever used herein, and any pronouns used in place thereof, shall include the persons and/or entities named at the beginning of this document, identified as "Grantor" and their personal representatives, heirs, successors, and assigns. The term "Grantee", wherever used herein, and any pronouns used in place thereof, shall include the persons and/or entities named at the beginning of this document, identified as "Grantee" and their personal representatives, heirs, successors, and assigns. The rights of the Grantee and Grantor under this instrument are freely assignable, subject to the notice provisions hereof.

h) Termination of Rights and Obligations: A party's rights and obligations under this instrument terminate upon transfer of the party's interest in the Property, except that liability for acts or omissions occurring prior to transfer shall survive transfer.

i) Captions: The captions in this instrument have been inserted solely for convenience of reference and are not a part of this instrument and shall have no effect upon construction or interpretation.

j) Counterparts: The parties may execute this instrument in two or more counterparts, which shall, in the aggregate, be signed by both parties; each counterpart shall be deemed an original instrument as against any party who has signed it. In the event of any disparity between the counterparts produced, the recorded counterpart shall be controlling.

k) Nothing contained in this agreement shall preclude or in any other way hinder the sale and/or conversion of the property to condominiums.

IN WITNESS WHEREOF, Grantor has caused this Agreement to be signed in its name.

Executed this 9TH day of JANUARY, 2006.


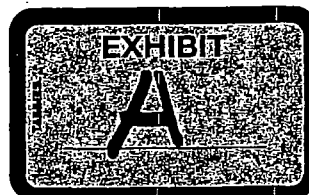
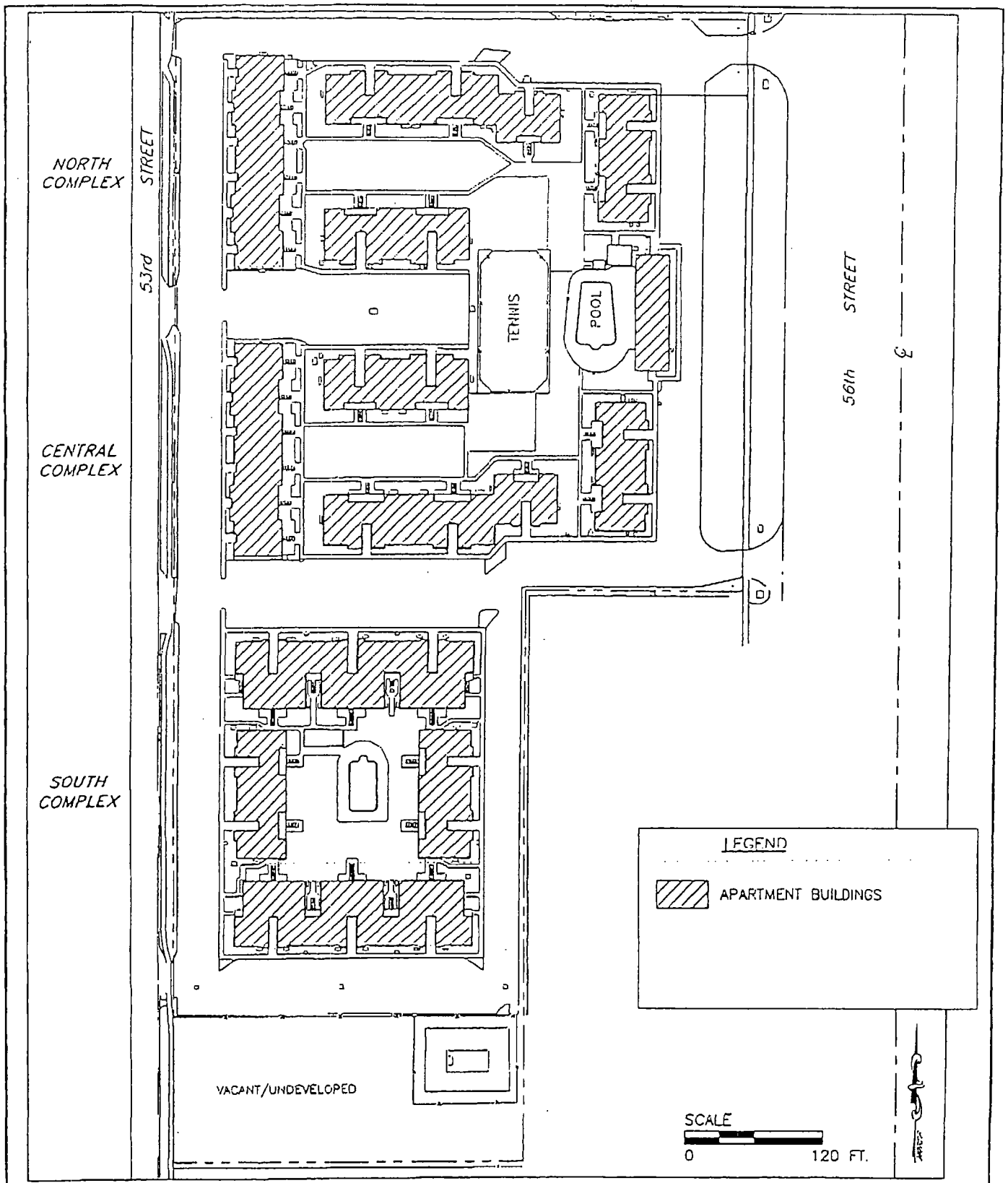
By: 
Its: MANAGER


Exhibit A

All of Lots B, C, D, E, F, G, H and J Block 23, and Lots B, C, D and E, Block 24, Less the East 114 feet thereof for the right of way for State Road No. S-583 (5th Street) in Section 15, Township 28 South, Range 19 East, Temple Terrace Subdivision, as recorded in Plat Book 25, Page 62, of the public records of Hillsborough County, Florida.

9030431.1





NORMANDY PARK APARTMENTS	DATE 2/2/06	JOB NO. 2148M	PLATE NO. 2
 QORE™ PROPERTY SCIENCES 1211 Tech Blvd. Suite 200 Tampa, Florida 33619 (813) 623-6...	SITE LAYOUT ...LE TERRACE, FLORIDA		



MacFarlane Ferguson & McMullen
201 N. Franklin Street Suite 2000 One Tampa City Center
Tampa FL 33602
(813) 273-4200
FAX: (813) 273-4396

Lawyers Title Insurance Corporation

OWNERSHIP AND ENCUMBRANCE REPORT

Order No: 40309797LA

Customer Reference No: 4352-6

This will serve to certify that Lawyers Title Insurance Corporation has caused to be made a search of the Public Records of Hillsborough County, Florida, ("Public Records") as contained in the office of the Clerk of the Circuit Court of said County, from December 21, 1999 through January 24, 2006, at 8:00 a.m., as to the following described real property lying and being in the aforesaid County, to-wit:

Parcel 1:

Lot J, Block 23 of Temple Terraces in Section 15, Township 28 South, Range 19 East, as per map or plat thereof, recorded in Plat Book 25, Page 62, of the Public Records of Hillsborough County, Florida.

Parcel 2:

All of Lots B, C, D, E, F, G and H, Block 23, and Lots B, C, D and E, Block 24, Less the East 114 feet thereof, for the right of way for State Road No. S0583 (56th Street) in Section 15, Township 28 South, Range 18 East, Temple Terraces, as per map or plat thereof, recorded in Plat Book 25, Page 62, of the Public Records of Hillsborough County, Florida.

As of the effective date of this Report the apparent record fee simple title owner(s) to the above described real property is/are:

Normandy Park Holdings, Inc., a Florida corporation, by virtue of Warranty Deed recorded in Official Records Book 9980, Page 411.

The following liens against the said real property recorded in the aforesaid Public Records have been found:

1. UCC Financing Statement recorded in Official Records Book 11353, Page 61, as assigned in Official Records Book 12021, Page 778. (as to Parcel 2)
2. Mortgage and Security Agreement recorded in Official Records Book 11387, Page 591, as assigned in Official Records Book 12525, Page 1279. (as to Parcel 2)
3. Assignment of Leases and Rents recorded in Official Records Book 11387, Page 653. (as to Parcel 2)
4. Mortgage and Security Agreement recorded in Official Records Book 11697, Page 1132, as modified in Official Records Book 12427, Page 1515 and assigned in Official Records Book 15683, Page 1659. (as to Parcel 2)
5. UCC Financing Statement recorded in Official Records Book 11697, Page 1144. (as to Parcel 2)
6. UCC Financing Statement recorded in Official Records Book 11697, Page 1148. (as to Parcel 2)
7. Exparte Default Judgment Against Defendent recorded in Official Records Book 14298, Page 939, as re-recorded and certified in Official Records Book 14348, Page 1767.



8. Claim of Lien recorded in Official Records Book 14051, Page 290.
9. Notice of Lis Pendens recorded in Official Records Book 14354, Page 1309.
10. Final Summary Judgment of Foreclosure and Order Taxing Costs and Attorney's Fees recorded in Official Records Book 15480, Page 1605.
11. Order Cancelling Foreclosure Sale recorded in Official Records Book 15607, Page 57 and Official Records Book 15664, Page 745.

NOTE: The 2005 Ad Valorem Taxes under Folio Number 200711-0000 were EXEMPT. (as to Parcel 1)

NOTE: The 2005 Ad Valorem Taxes under Folio Number 200709-0000 were PAID and the 2004 Ad Valorem Taxes for said Folio remain UNPAID. (as to parcel 2)

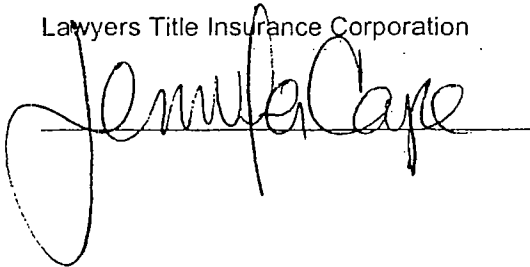
Public Records shall be defined herein as those records currently established under the Florida Statutes for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without knowledge.

This Report shows only matters disclosed in the aforesaid Public Records, and it does not purport to insure or guarantee the validity or sufficiency of any documents noted herein; nor have the contents of any such documents been examined for references to other liens or encumbrances. This Report is not to be construed as an opinion, warranty, or guarantee of title, or as a title insurance policy; and its effective date shall be the date above specified through which the Public Records were searched. This Report is being provided for the use and benefit of the Certified Party only, and it may not be used or relied upon by any other party. This Report may not be used by a Lawyers Title Insurance Corporation agent for the purpose of issuing a Lawyers Title Insurance Corporation title insurance commitment or policy.

In accordance with Florida Statutes Section 627.7843 the liability Lawyers Title Insurance Corporation may sustain for providing incorrect information in this Report shall be the actual loss or damage of the Certified Party named above up to a maximum amount of \$1,000.00.

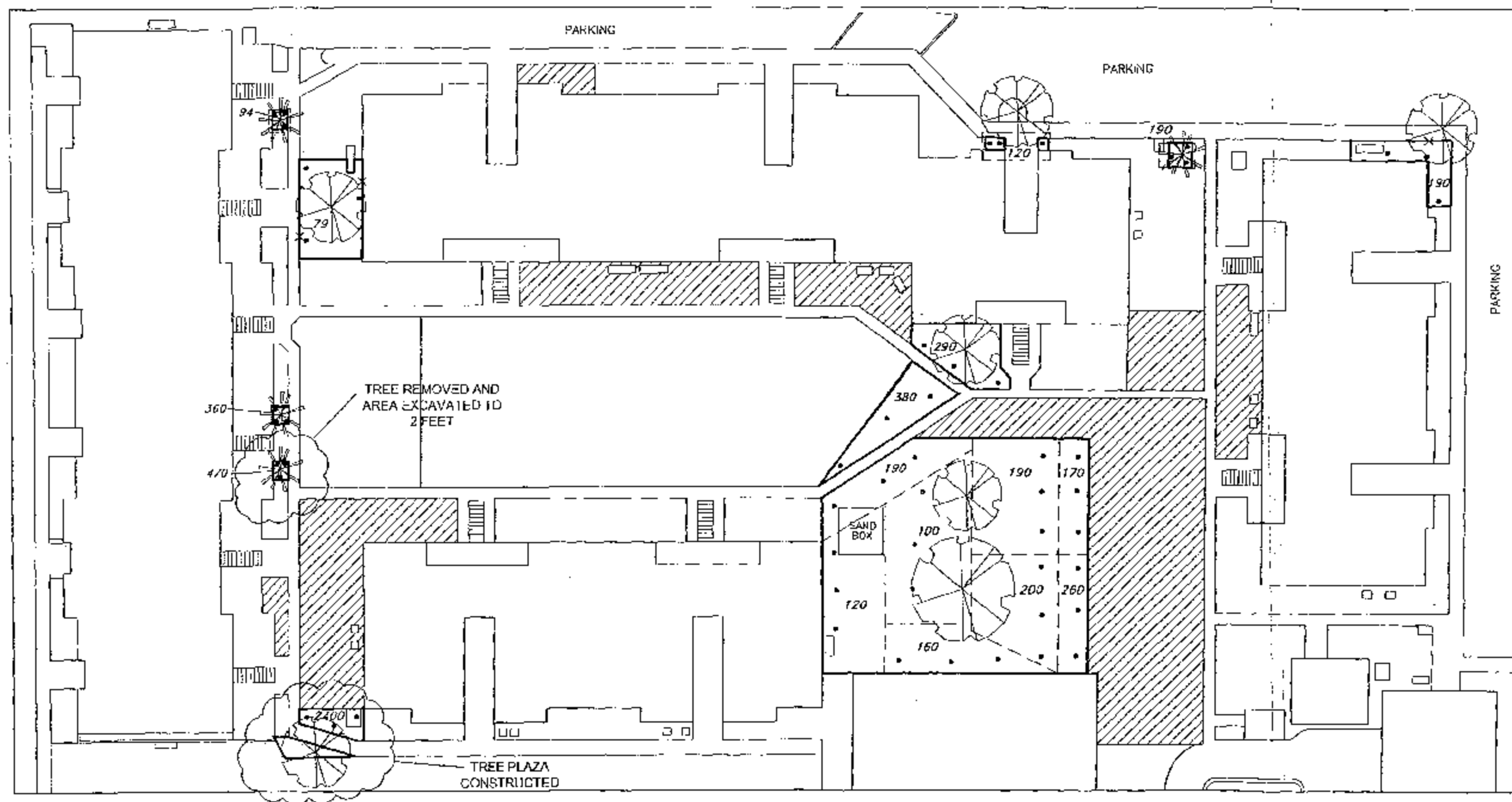
IN WITNESS WHEREOF, Lawyers Title Insurance Corporation has caused this Report to be issued in accordance with its By-Laws.

Lawyers Title Insurance Corporation

A handwritten signature in black ink, appearing to read "Jennifer Cape", is written over a horizontal line. The signature is stylized with a large, looping initial "J" and a cursive "Cape".

APPENDIX G

SOIL SAMPLING RESULTS TREE PRESERVATION AREAS



LEGEND

- TREE PRESERVATION AREAS
- ▨ SOIL REQUIRING TREATMENT
- SOIL SAMPLE LOCATION
- 290 LEAD CONCENTRATION FROM 0-1 FOOT COMPOSITE SAMPLE (mg/kg)



SCALE
0 30 FT.

NORMANDY PARK APARTMENTS

DATE
2/3/06

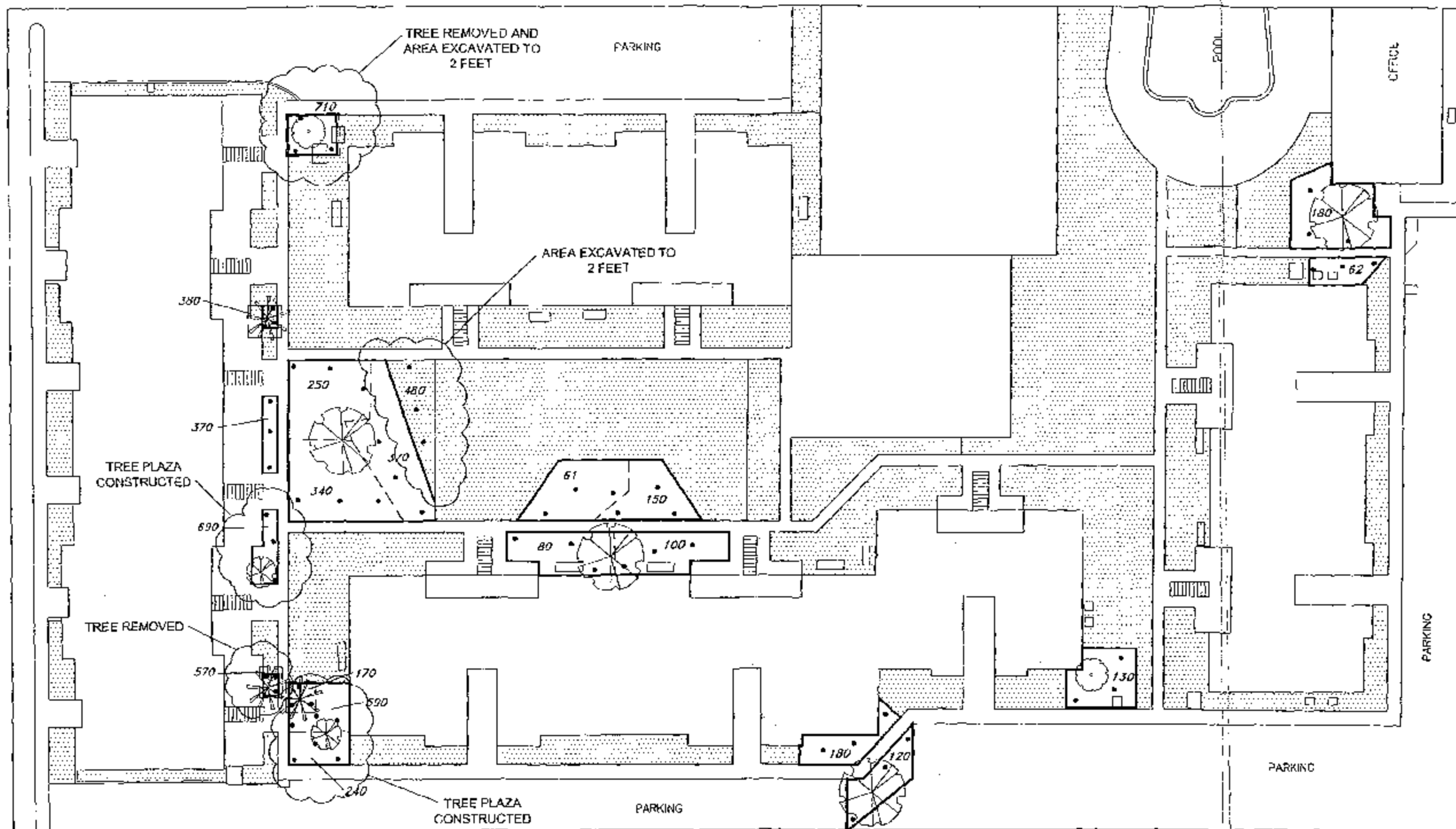
JOB NO.
2148M

PLATE NO.
10



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COMPOSITE SOIL SAMPLE
LEAD CONCENTRATIONS
TREE PRESERVATION AREAS
NORTH COMPLEX
TEMPLE TERRACE, FLORIDA



LEGEND

- TREE PRESERVATION AREAS
- TA-1 • SOIL SAMPLE LOCATION AND IDENTIFICATION
- TA TREE AREA
- PT PALM TREE
- CT CHERRY TREE
- 570 LEAD CONCENTRATION FROM 0-1 FOOT COMPOSITE SAMPLE (mg/kg)

SCALE
0 30 FT.

NORMANDY PARK APARTMENTS



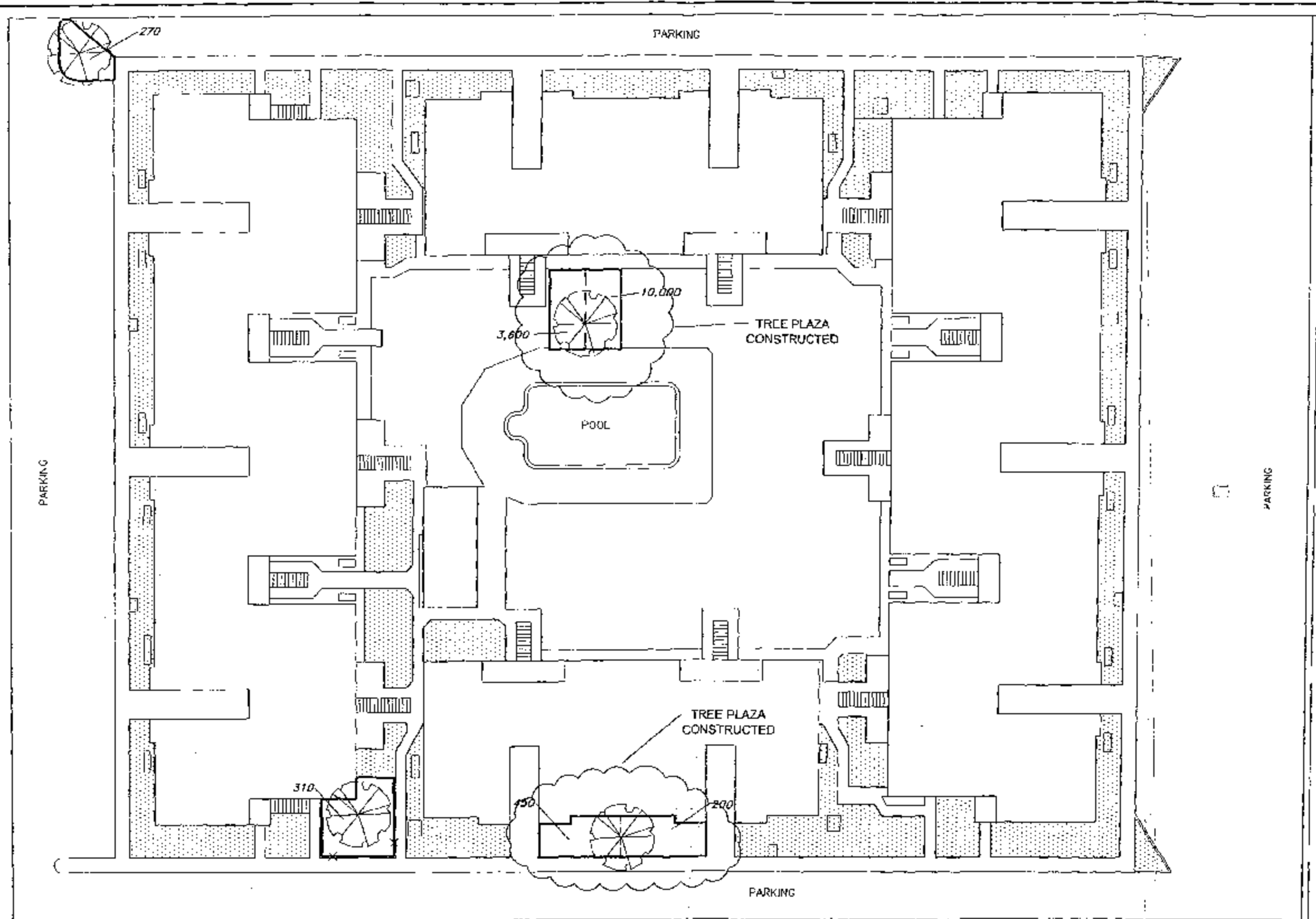
1211 7th Blvd. Suite 200 Tampa, Florida 33619 (813) 623-6646

DATE
2/3/06

JOB NO.
2148M

PLATE NO.
11

COMPOSITE SOIL SAMPLE
LEAD CONCENTRATIONS
TREE PRESERVATION AREAS
CENTRAL COMPLEX
TEMPLE TERRACE, FLORIDA



LEGEND

— TREE PRESERVATION AREAS

290 LEAD CONCENTRATION FROM D-1 FOOT
COMPOSITE SAMPLE (mg/kg)



SCALE
0 30 FT.

NORMANDY PARK APARTMENTS



1211 Tech Blvd. Suite 200 Tampa, Florida 33619 (813) 623-6646

DATE
2/3/06

JOB NO.
2148M

PLATE NO.
12

COMPOSITE SOIL SAMPLE
LEAD CONCENTRATIONS
TREE PRESERVATION AREAS
SOUTH COMPLEX
TEMPLE TERRACE, FLORIDA

APPENDIX H

LEAD AND ANTIMONY CONCENTRATION CHARTS

Chart 1

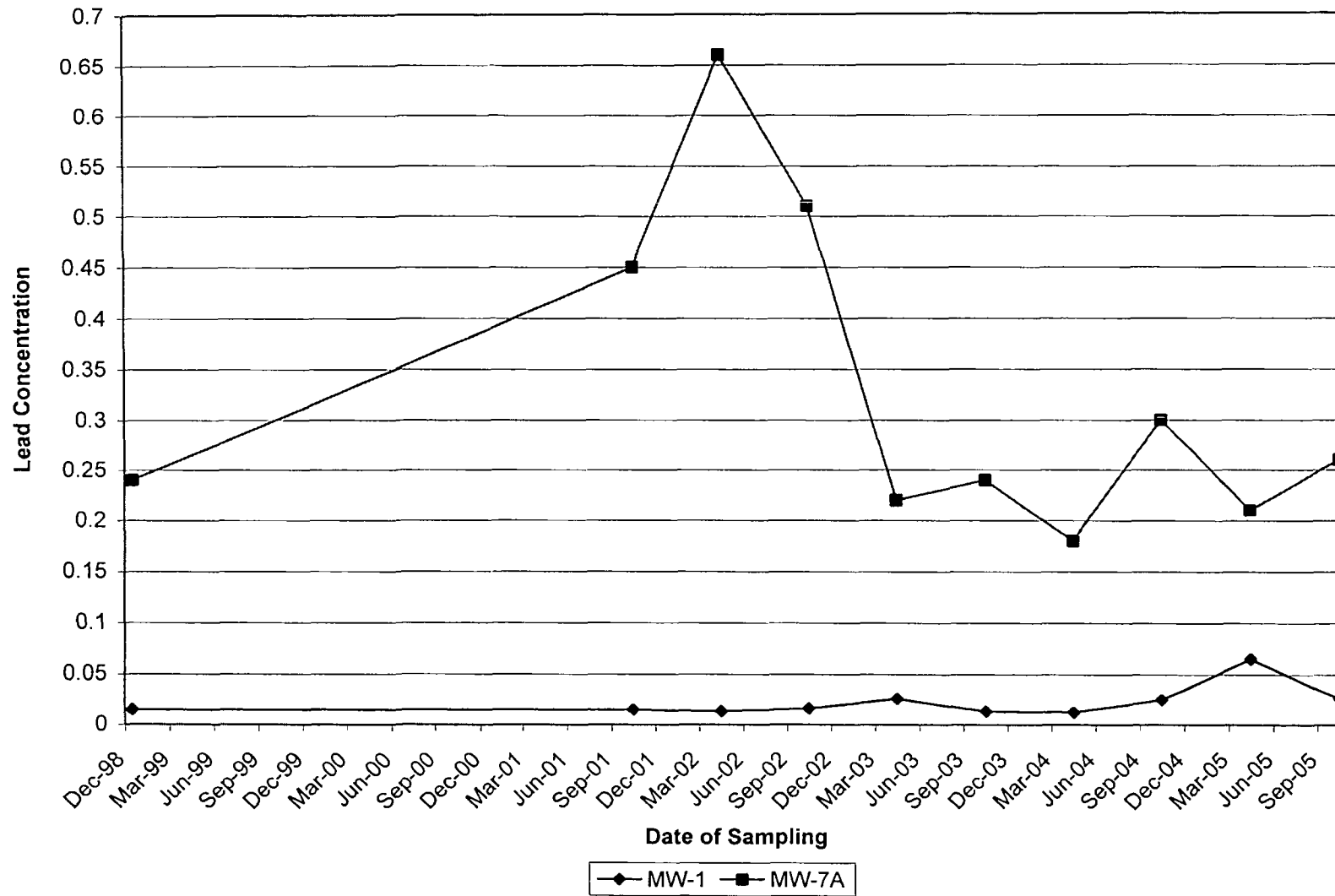
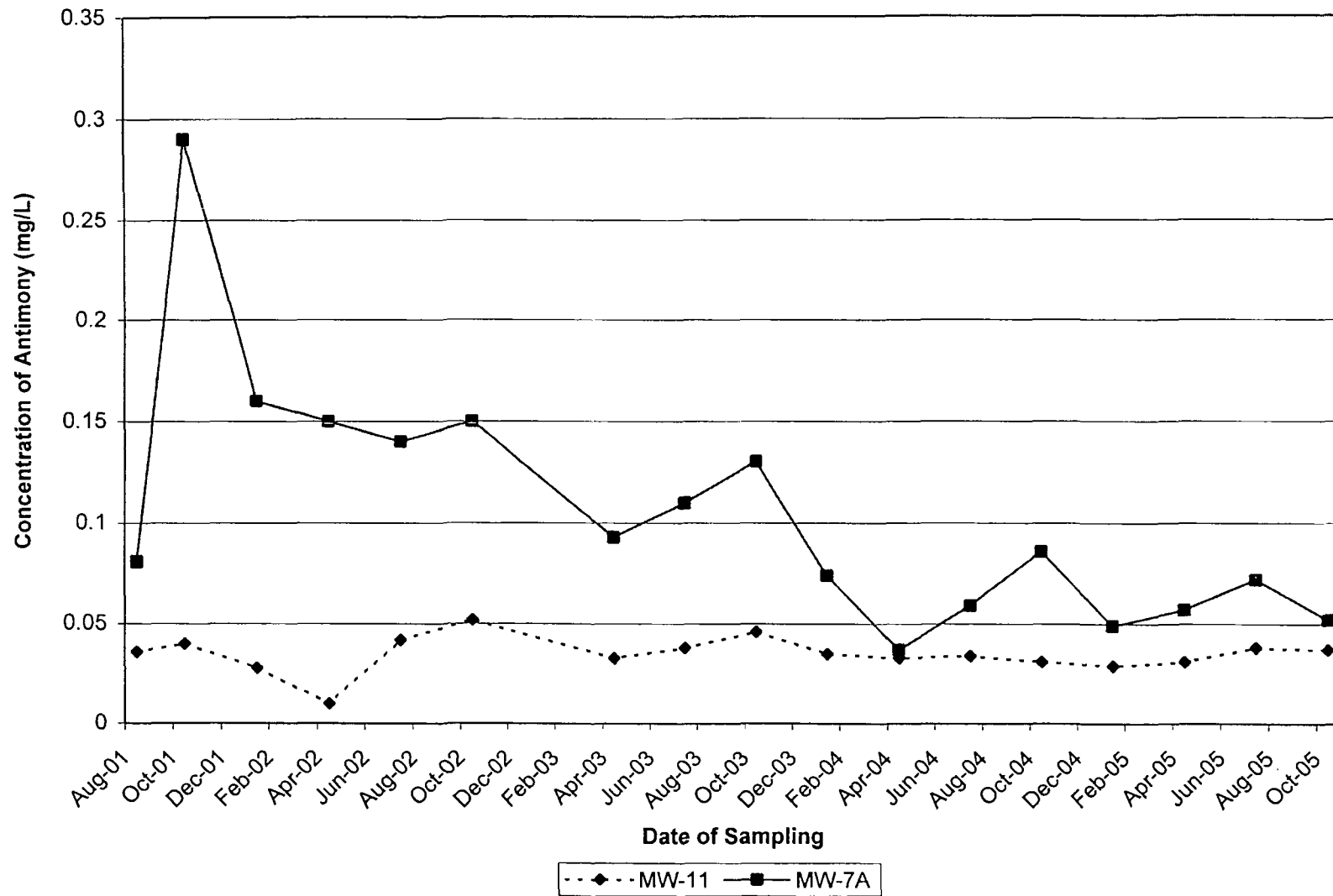


Chart 2



APPENDIX I

SITE PHOTOGRAPHS TAKEN MARCH 2006



1. View of playground area near sales office.



2. View looking south between north pool and tennis courts.



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SITE PHOTOGRAPHS

Normandy Park Apartments
Temple Terrace, FL
QORE Project No.:27-2148M



3. West view across central apartment complex.



4. Tree plaza – southwest corner of central apartment complex.



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SITE PHOTOGRAPHS

Normandy Park Apartments
Temple Terrace, FL
QORE Project No.:27-2148M



5. Tree Plaza – west building of central apartment complex.



6. Tree Plaza – west side of courtyard of central apartment complex.



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SITE PHOTOGRAPHS

Normandy Park Apartments
Temple Terrace, FL
QORE Project No.:27-2148M



7. Tree Plaza - West building of south apartment complex.



8. West side of south building in south apartment complex.



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SITE PHOTOGRAPHS

Normandy Park Apartments
Temple Terrace, FL
QORE Project No.:27-2148M



9. Northeast view across south apartment complex courtyard.



10. Tree Plaza - east side of south apartment complex courtyard.



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SITE PHOTOGRAPHS

Normandy Park Apartments
Temple Terrace, FL
QORE Project No.:27-2148M